

Rieger, Caroline

From: Heather Ferguson <hlf@ftn-assoc.com>
Sent: Thursday, June 10, 2021 3:13 PM
To: gwreports
Cc: Dana Derrington; Melissa Vaught
Subject: First Quarter 2021 Groundwater Monitoring Report and Notice of SSIs & SSLs, Mississippi County Class 1 Landfill, Permit No. 0136-S1-R4, AFIN: 47-00124
Attachments: First Quarter 2021 GWMR and Notice of SSIs & SSLs, Mississippi County Class 1 Landfill.pdf; Historical Database, Mississippi County Class 1 Landfill.xlsx

Good afternoon,

On behalf of Mississippi County, please find attached for your review the first quarter 2021 groundwater monitoring report, notice of statistically significant increases, and notice of statistically significant levels for the Mississippi County class 1 landfill. The historical database is also attached.

If you have any questions or comments regarding this submittal, please do not hesitate to contact Dana Derrington, PE, PG, at (314) 786-5855 or Melissa Vaught, PE, at (479) 571-3334.

Regards,

Heather Ferguson



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June 10, 2021

Mr. Blake Whittle, PG
Groundwater Branch Manager
Assessment and Remediation Program, Office of Land Resources
Arkansas Department of Energy and Environment
Division of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

RE: First Quarter 2021 Groundwater Monitoring Report, Mississippi County Class 1 Landfill
Permit No. 0136-S1-R4, AFIN: 47-00124
FTN No. R04355-2494-001

Dear Mr. Whittle:

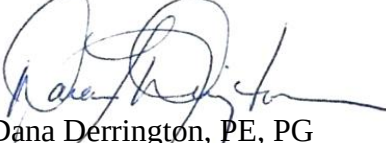
On behalf of Mississippi County, FTN Associates, Ltd. (FTN), is pleased to submit the first quarter 2021 groundwater monitoring report for the Mississippi County class 1 landfill located in Luxora, Arkansas. As requested by the Division of Environmental Quality (DEQ), we are submitting the entire report in Adobe PDF and the groundwater historical database in Excel file format.

Statistical evaluation of the first quarter 2021 data set identified one confirmed statistically significant increase (SSI) and three statistically significant levels (SSLs), listed in the enclosed notices of statistically significant results. Also included in the notice of statistically significant increases is a summary of well-parameter pairs in assessment monitoring with first quarter 2021 measured values that exceed their respective prediction limits. Per the requirements of §22.1204(c)(1), Mississippi County has placed the notice of statistically significant results in the landfill operating record. This letter is intended to satisfy the notification requirement of §22.1204(c)(1), §22.1205(g), and the notification requirements agreed to by Mississippi County in correspondence dated June 4, 2021 (DEQ document identification number 80258).

Mr. Blake Whittle
June 10, 2021
Page 2

If you have any questions or comments regarding this submittal, please do not hesitate to contact me at (314) 786-5855 or Melissa Vaught, PE, at (479) 571-3334.

Respectfully submitted,
FTN ASSOCIATES, LTD.



Dana Derrington, PE, PG
Project Manager

Enclosures

CC: Jamal Solaimanian, Division of Environmental Quality (with enclosures)
The Honorable John Alan Nelson, Mississippi County Judge (with enclosures)
J.T. Harris, Mississippi County (with enclosures)
James Roundtree, Mississippi County Landfill Director (with enclosures)

U:\WP_FILES\04355-2494-001\2021-06-10 FTN LTR TO DEQ - 1Q2021 GWMR AND NOTICE OF SSIS & SSLs\2021-06-10 TRANSMITTAL LETTER.DOCX HUF



**NOTICE OF STATISTICALLY SIGNIFICANT INCREASES
FIRST QUARTER 2021 MONITORING PERIOD**

MISSISSIPPI COUNTY CLASS 1 LANDFILL
LUXORA, ARKANSAS
PERMIT NO. 0136-S1-R4, AFIN: 47-00124

Statistical evaluation of the first quarter 2021 data set identified a confirmed statistically significant increase for the well-parameter pair listed below.

Analyte	Well ID
Barium	MW-24

The following well-parameter pairs are currently in assessment monitoring and are evaluated with confidence intervals or a trend test over the most recent eight values in the data set. Well-parameter pairs with first quarter 2021 measured values above their respective prediction limits are listed below.

Analyte	Well ID
Chloride	MW-3
Chloride	MW-4R2
Chloride	MW-5R
Chloride	MW-6
Iron	MW-1
Sulfate	MW-2
TDS	MW-1
TDS	MW-3

**NOTICE OF STATISTICALLY SIGNIFICANT LEVELS ABOVE A GWPS
FIRST QUARTER 2021 MONITORING PERIOD**

MISSISSIPPI COUNTY CLASS 1 LANDFILL
LUXORA, ARKANSAS
PERMIT NO. 0136-S1-R4, AFIN: 47-00124

Statistical evaluation of the first quarter of 2021 groundwater monitoring data using confidence intervals indicated confirmed statistically significant levels above the proposed landfill groundwater protection standards for the well-parameter pairs listed below.

Well ID	Parameter
MW-1	Arsenic
MW-4R2	Arsenic
MW-5R	Arsenic

**FIRST QUARTER 2021
GROUNDWATER MONITORING REPORT
MISSISSIPPI COUNTY CLASS 1 LANDFILL
LUXORA, ARKANSAS
PERMIT NO. 0136-S1-R4, AFIN: 47-00124**

JUNE 10, 2021

FIRST QUARTER 2021
GROUNDWATER MONITORING REPORT
MISSISSIPPI COUNTY CLASS 1 LANDFILL
LUXORA, ARKANSAS
PERMIT NO. 0136-S1-R4, AFIN: 47-00124

Prepared for

Mississippi County
Mississippi County Landfill
200 West Walnut Street, Room 204
Blytheville, AR 72315

Prepared by

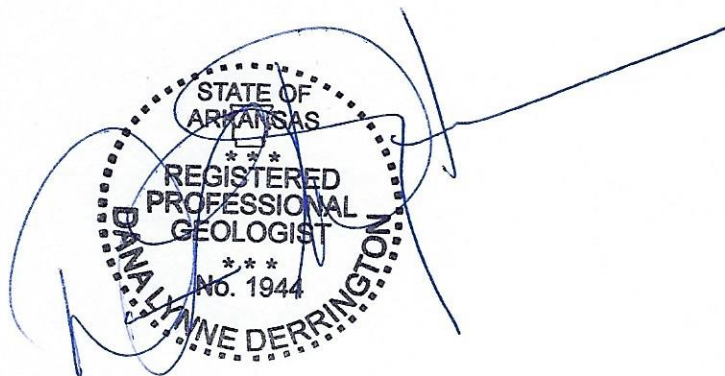
FTN Associates, Ltd.
3 Innwood Circle, Suite 220
Little Rock, AR 72211

FTN No. R04355-2494-001

June 10, 2021

PROFESSIONAL GEOLOGIST'S CERTIFICATION

With this certification, I certify that I, as a professional geologist in the state of Arkansas, am a qualified groundwater scientist as defined in Arkansas Pollution Control and Ecology Commission Regulation No. 22, §22.1201(f), that I have reviewed this groundwater monitoring report, that the findings are accurate to the best of my knowledge, and that it meets the applicable reporting requirements of Regulation No. 22, §22.1203(k).



Dana L. Derrington, Arkansas PG #1944

06/10/2021
Date

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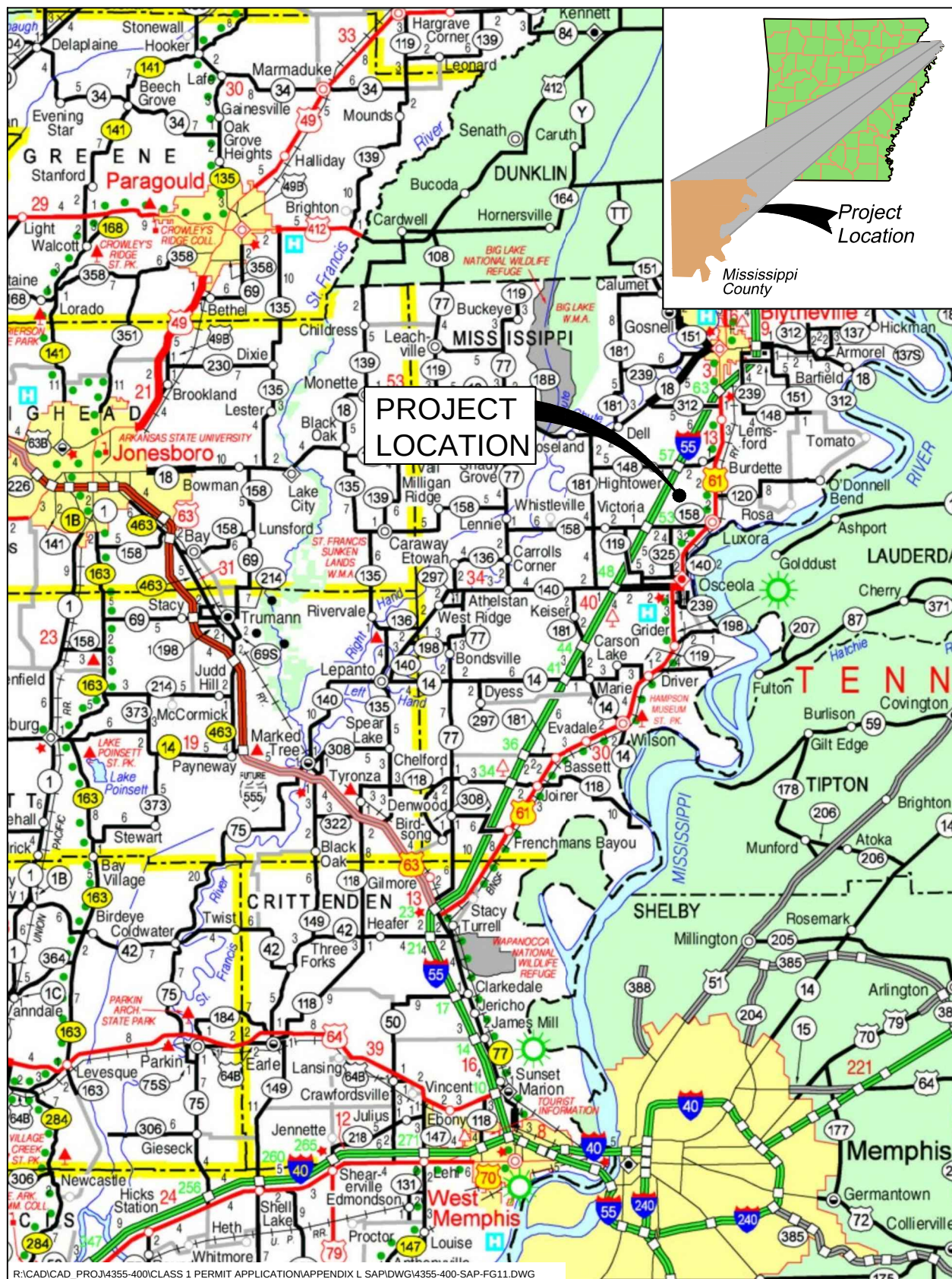
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1.0 INTRODUCTION

Mississippi County owns and operates a class 1 municipal solid waste landfill located approximately 2.5 miles northwest of Luxora in Mississippi County, Arkansas, as shown on Figure 1.1. The landfill currently operates under Permit No. 0136-S1-R4, which was issued by the Arkansas Department of Energy and Environment, Division of Environmental Quality (DEQ), on June 30, 2015. The landfill consists of two noncontiguous permitted areas referred to as phase 1 and phase 2 in the facility's permit. Waste disposal activities in phase 1 ceased on December 1, 2016, following DEQ authorization of cell 15 in phase 2 on November 21, 2016 (DEQ document identification number [DIN] 70630). Cell 16 was approved for waste disposal by DEQ on May 10, 2021 (DIN 80036).

Groundwater monitoring has been conducted at the landfill since October 1993 in fulfillment of the permit and Arkansas Pollution Control and Ecology Commission (APCEC) Regulation No. 22 requirements. The monitoring wells located around the phase 1 area are currently in quarterly assessment monitoring in accordance with §22.1204(c) and §22.1205. The first sampling event at the phase 1 wells under the assessment monitoring program was performed during the first quarter 2017, per the requirements of §22.1205 and a letter from DEQ dated January 12, 2017 (DIN 70835). The phase 2 wells are currently being sampled semiannually under the landfill's detection monitoring program in accordance with the facility's permit and Regulation No. 22. This report presents the results of the first quarter 2021 groundwater monitoring period, which included quarterly assessment monitoring of the phase 1 monitoring wells and sampling at select phase 2 monitoring wells as described in Section 2.2.



2.0 GROUNDWATER MONITORING PROGRAM

This section describes the monitoring well system, sampling schedule, sampling methodology, and laboratory analyses. A detailed description of the site's hydrogeological setting and groundwater monitoring program can be found in the landfill's DEQ-approved groundwater sampling and analysis plan (GWSAP) (DIN 67242).

2.1 Groundwater Monitoring System

The groundwater monitoring system is shown on Figure 2.1 and consists of 21 monitoring wells and two piezometers. One investigative well, OB-1, is also shown on Figure 2.1. This well was installed during 2007 to provide background information for a previous alternate source demonstration (ASD) for the landfill (DIN 51980). Sampling resumed at OB-1 during 2016 as part of an ASD submitted to DEQ on October 3, 2016 (DIN 70369). Sampling at OB-1 has continued since 2016 for ongoing background data collection.

The uppermost aquifer and zone of interest for groundwater monitoring beneath the landfill is the Mississippi River Valley alluvial aquifer (hereafter referred to as the alluvial aquifer). Each well and piezometer shown on Figure 2.1 is constructed of 2-inch-diameter polyvinyl chloride solid riser and slotted well screens positioned in the uppermost saturated sediments of the alluvial aquifer. Well construction details are summarized in Table 2.1 and are based on available well construction logs and the most recent well surveys.

The direction of groundwater flow across the phase 1 and phase 2 areas shifts on a seasonal basis and has, at different times of the year, been observed to be toward the southwest, west, or northwest. Investigative well OB-1 is consistently upgradient of the phase 1 area based on available information, and MW-2 has historically served as an upgradient or sidegradient well. The remaining phase 1 wells are considered compliance wells (downgradient or sidegradient). In the phase 2 area, monitoring wells MW-11, MW-12, MW-13, MW-14, MW-15R, MW-16, and MW-24, located near the perimeter of cells 15 and 16, are considered compliance (i.e., downgradient) wells, while the remaining phase 2 wells are considered background (i.e., upgradient) wells.

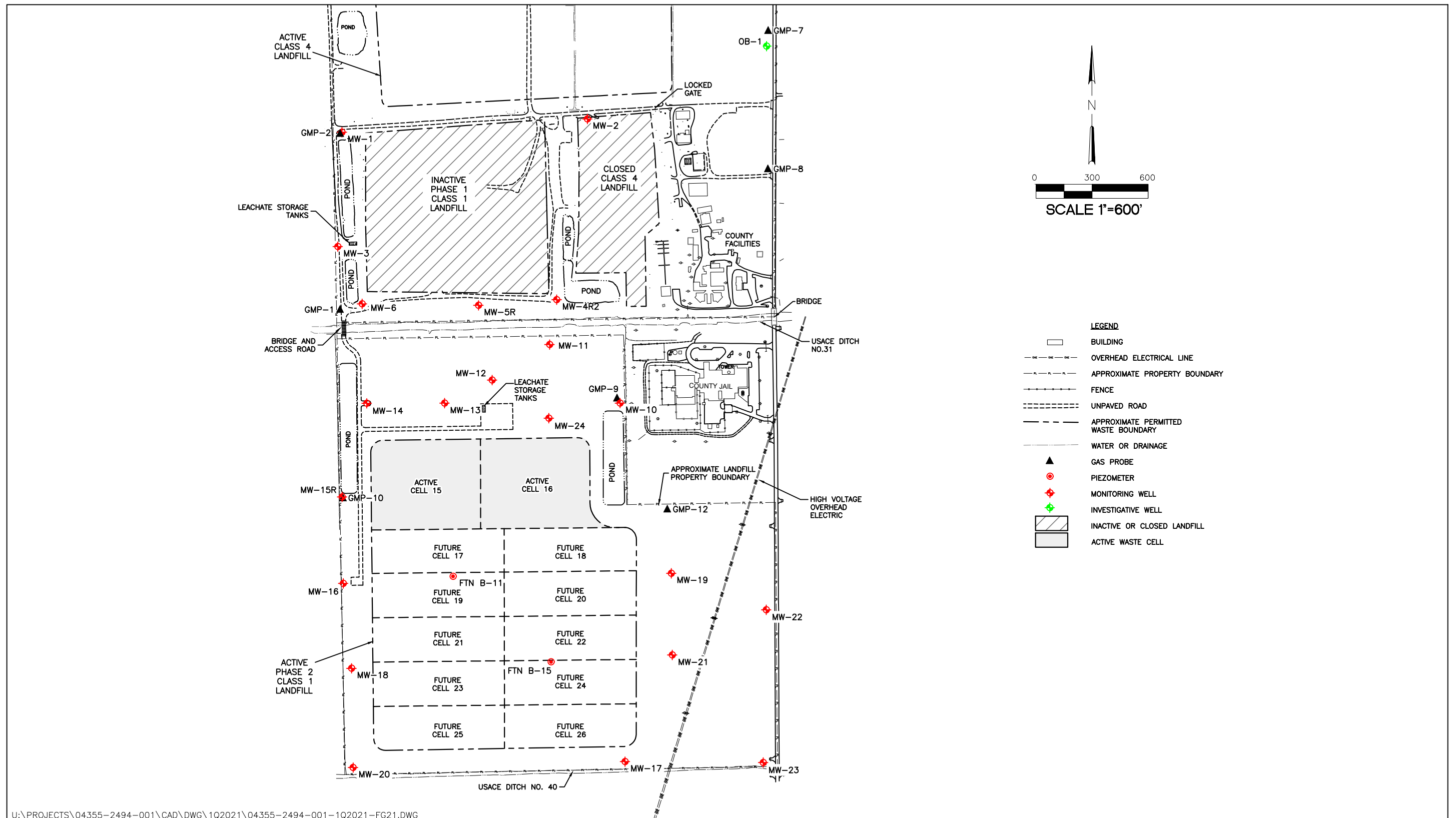


Figure 2.1. Site map showing monitoring well system, Mississippi County class 1 landfill.

Table 2.1. Well construction data.

Well ID	Well Installation Date	Ground Surface Elevation (ft NGVD^[a])	MP^(b) Elevation (ft NGVD^[a])	Total Depth (ft below MP^[b])	Screened Interval (ft NGVD^[a])
MW-1	6/3/1993	235.2	236.96	40.0	207.0–197.0
MW-2	6/3/1993	235.5	236.61	32.0	215.0–205.0
MW-3	6/3/1993	237.4	239.45	42.0	207.0–197.0
MW-4R2	4/28/2009	239.7	242.61	42.0	210.6–200.6
MW-5R ^(c)	10/28/2003	236.6	238.83	42.6	206.2–196.2
MW-6 ^(c)	10/28/2003	238.5	240.85	43.3	207.6–197.6
MW-10	2/6/2007	233.4	235.81	30.4	215.8–205.8
MW-11	9/25/2015	231.7	234.77	33.6	211.6–201.6
MW-12	9/24/2015	231.7	235.18	33.2	212.4–202.4
MW-13	9/28/2015	232.3	234.56	43.6	201.4–191.4
MW-14	9/29/2015	233.1	236.03	43.8	202.6–192.6
MW-15R	9/30/2015	235.3	238.44	37.6	211.2–201.2
MW-16	10/1/2015	233.4	235.90	39.6	206.7–196.7
MW-17	2/15/2007	237.4	239.89	42.3	208.0–198.0
MW-18	2/8/2007	235.3	237.46	38.1	209.8–199.8
MW-19	2/14/2007	235.0	237.71	34.0	214.1–204.1
MW-20	2/9/2007	237.4	239.08	42.9	206.5–196.5
MW-21	10/2/2015	235.9	238.98	45.4	204.0–194.0
MW-22	10/6/2015	236.0	238.83	49.1	200.0–190.0
MW-23	10/6/2015	235.9	238.67	36.8	212.3–202.3
MW-24	9/29/2015	234.3	237.34	36.5	211.2–201.2
FTN B-11	2/12/2007	233.0	236.23	32.1	214.5–204.5
FTN B-15	2/13/2007	234.3	237.28	38.4	209.3–199.3
OB-1 ^(d)	2/15/2007	235.5	235.69	22.5	213.5–203.5

Notes:

- National Geodetic Vertical Datum of 1929.
- MP=surveyed measuring point located on the top of well casing.
- Well diagram is unavailable; construction details are based on personal communication with David Jaros, PG, of Terracon, from May 17, 2010.
- Investigative well only; not a part of monitoring well network.

2.2 Sampling Schedule

The landfill's monitoring wells are currently sampled at the frequency presented in Table 2.2. During the first quarter 2021, quarterly assessment monitoring for the phase 1 wells was performed March 9 through 12, 2021. Verification sampling was also performed during this event at select phase 2 wells for potential statistical exceedances identified during the fourth quarter 2020 monitoring period. The next quarterly assessment monitoring event for phase 1 and semiannual detection monitoring event for phase 2 is scheduled for June 2021.

As discussed in Section 5.2.3, the pH value recorded at MW-11 on March 9, 2021, appeared suspect. A review of field records indicates that the pH probe may have malfunctioned. FTN resampled the well for field parameters on April 19, 2021.

Table 2.2. Groundwater sampling frequency.

Phase 1 Wells Quarterly Assessment		Phase 2 Wells Semiannual Detection			
MW-1	MW-5R	MW-10	MW-14	MW-18	MW-22
MW-2	MW-6	MW-11	MW-15R	MW-19	MW-23
MW-3	OB-1 ^(a)	MW-12	MW-16	MW-20 ^(b)	MW-24
MW-4R2		MW-13	MW-17	MW-21	

Notes:

- a. OB-1 is being sampled as a background well for phase 1 for assessment monitoring.
- b. MW-20 is damaged and was not sampled during the first quarter 2021 monitoring period.

2.3 Sampling Methodology

To ensure that monitoring results are an accurate representation of groundwater quality, sample collection follows the guidelines for sample collection, preservation, shipment, chain-of-custody (COC) control, and quality assurance/quality control (QA/QC) outlined in the landfill's DEQ-approved GWSAP. Groundwater is sampled using the low-flow, minimal drawdown sampling method, performed according to US Environmental Protection Agency (EPA) guidelines (Puls and Barcelona 1996).

Each well was sampled using a Geopump Peristaltic Series II pump and linear low-density polyethylene tubing. Field parameters were measured during purging and sampling using a Hach 2100P portable turbidity meter and a YSI MPS 556 or YSI ProPlus multiparameter

instrument fitted with a flow-through cell. Field sampling forms for the first quarter 2021 monitoring event are provided in Appendix A.

2.4 Laboratory Analyses

Pursuant to §22.1205(b), groundwater samples from the phase 1 wells were analyzed for the parameters listed in appendix 2 of Regulation No. 22 during the first quarter 2021. As discussed in Section 4.0, none of the appendix 2 parameters were detected as a result of the expanded analysis. As such, the list of assessment monitoring constituents (AMCs) for the upcoming year is comprised of the list of parameters required by permit no. 0136-S1-R4 for detection monitoring (Table 2.3).

First quarter 2021 sampling at the phase 2 wells was limited to well-parameter pairs identified as potential statistical exceedances during the fourth quarter 2020, as discussed in Section 5.0.

Groundwater samples were submitted to Pace Analytical National (Pace) of Mt. Juliet, Tennessee, for analysis. Samples were analyzed using recommended methods described in *Test Methods for Evaluating Solid Waste—Physical/Chemical Methods* (SW-846) or equivalent, and guidelines established by EPA.

Table 2.3. Permit no. 0136-S1-R4 list of parameters.

Organic Parameters			
Acetone	trans-1,4-Dichloro-2-butene	Methyl iodide	
Acrylonitrile	1,1-Dichloroethane	4-Methyl-2-pentanone	
Benzene	1,2-Dichloroethane	Styrene	
Bromochloromethane	1,1-Dichloroethylene	1,1,1,2-Tetrachloroethane	
Bromodichloromethane	cis-1,2-Dichloroethylene	1,1,2,2-Tetrachloroethane	
Bromoform	trans-1,2-Dichloroethylene	Tetrachloroethylene	
Carbon disulfide	1,2-Dichloropropane	Toluene	
Carbon tetrachloride	cis-1,3-Dichloropropene	1,1,1-Trichloroethane	
Chlorobenzene	trans-1,3-Dichloropropene	1,1,2-Trichloroethane	
Chloroethane	Ethylbenzene	Trichloroethylene	
Chloroform	2-Hexanone	Trichlorofluoromethane	
Dibromochloromethane	Methyl bromide	1,2,3-Trichloropropane	
1,2-Dibromo-3-chloropropane (DBCP)	Methyl chloride	Vinyl acetate	
1,2-Dibromoethane (EDB)	Methylene bromide	Vinyl chloride	
1,2-Dichlorobenzene	Methylene chloride	Xylene	
1,4-Dichlorobenzene	Methyl ethyl ketone		
Inorganic Parameters		General Water Quality Parameters	
Antimony	Lead	Chloride	Temperature*
Arsenic	Nickel	Iron	Turbidity*
Barium	Selenium	Manganese	
Beryllium	Silver	Sulfate	
Cadmium	Thallium	Total dissolved solids (TDS)	
Chromium	Vanadium	Total organic carbon (TOC)	
Cobalt	Zinc	Conductance*	
Copper		pH*	

*Field parameter.

3.0 WATER LEVEL DATA

This section presents water level data collected during the first quarter 2021 and discusses the rate and direction of groundwater flow during this period.

3.1 Water Level Measurements and Direction of Groundwater Flow

Static water levels were measured on March 9, 2021, prior to the first quarter 2021 sampling activities. Depths to water were measured to the nearest 0.01 ft from the MP located on the top of casing and are tabulated in Table 3.1. Water level data were converted to elevations in feet NGVD and contoured to construct the potentiometric surface map shown on Figure 3.1. As shown on Figure 3.1, the direction of groundwater flow was toward the west-southwest across the phase 1 area and toward the northwest across the phase 2 area.

As noted on Figure 3.1, water levels at piezometers FTN B-11 and FTN B-15 were not gauged during the first quarter 2021 due to inaccessibility caused by wet site conditions. These piezometers are used for supplementary water level data and the absence of the data do not affect the interpretation of the direction of groundwater flow across the phase 2 area.

3.2 Rate of Groundwater Flow

The rate of flow, or linear groundwater velocity, is calculated using the following equation:

$$V_x = K/n_e(dh/dl)$$

where: V_x = linear velocity,
 K = hydraulic conductivity,
 n_e = effective porosity, and
 dh/dl = hydraulic gradient.

The hydraulic conductivity (K) of the aquifer beneath the site is estimated to range from 4 to 22 ft/day (FTN Associates, Ltd. [FTN] 2015). An effective porosity (n_e) of 20% is assumed based on lithology and published reports (EPA 1998). The dh/dl values are calculated using the

equipotential lines that most closely represent the flow lines from upgradient to downgradient across the phase 1 and phase 2 areas. The dh/dl values are then used to calculate V_x for the phase 1 and phase 2 areas. Estimated V_x values based on the March 9, 2021, potentiometric surface map for phase 1 and phase 2 are summarized in Table 3.2.

Table 3.1. Water level data and potentiometric surface elevations, first quarter 2021.

Well ID	TOC Elevation (ft NGVD)	Depth to Water (ft below MP)	Potentiometric Surface Elevation (ft NGVD)
MW-1	236.96	9.29	227.67
MW-2	236.61	8.55	228.06
MW-3	239.45	11.84	227.61
MW-4R2	242.61	14.71	227.90
MW-5R	238.83	11.06	227.77
MW-6	240.85	13.23	227.62
MW-10	235.81	7.70	228.11
MW-11	234.77	6.87	227.90
MW-12	235.18	7.29	227.89
MW-13	234.56	6.67	227.89
MW-14	236.03	8.27	227.76
MW-15R	238.44	10.48	227.96
MW-16	235.90	7.80	228.10
MW-17	239.89	10.86	229.03
MW-18	237.46	9.16	228.30
MW-19	237.71	9.03	228.68
MW-20	239.08	not measured ^(a)	not measured ^(a)
MW-21	238.98	10.10	228.88
MW-22	238.83	9.85	228.98
MW-23	238.67	9.41	229.26
MW-24	237.34	9.27	228.07
FTN B-11	236.23	not measured ^(b)	not measured ^(b)
FTN B-15	237.28	not measured ^(b)	not measured ^(b)
OB-1	235.46	7.17	228.29

Note:

a. MW-20 is damaged; water level was not used to construct the potentiometric surface.

b. FTN B-11 and FTN B-15 were not accessible during the first quarter 2021 due to wet site conditions.

Table 3.2. Summary of estimated groundwater flow rates, first quarter 2021.

Permitted Area	Flow Line	Hydraulic Gradient (dh/dl) (ft/ft)	Hydraulic Conductivity (K) (ft/day)	Linear Velocity (V _x) (ft/year)
Phase 1	228.0 ft contour to MW-3	2.6 x 10 ⁻⁴	4	2
			22	10
Phase 2	MW-17 to MW-14	4.6 x 10 ⁻⁴	4	3
			22	18

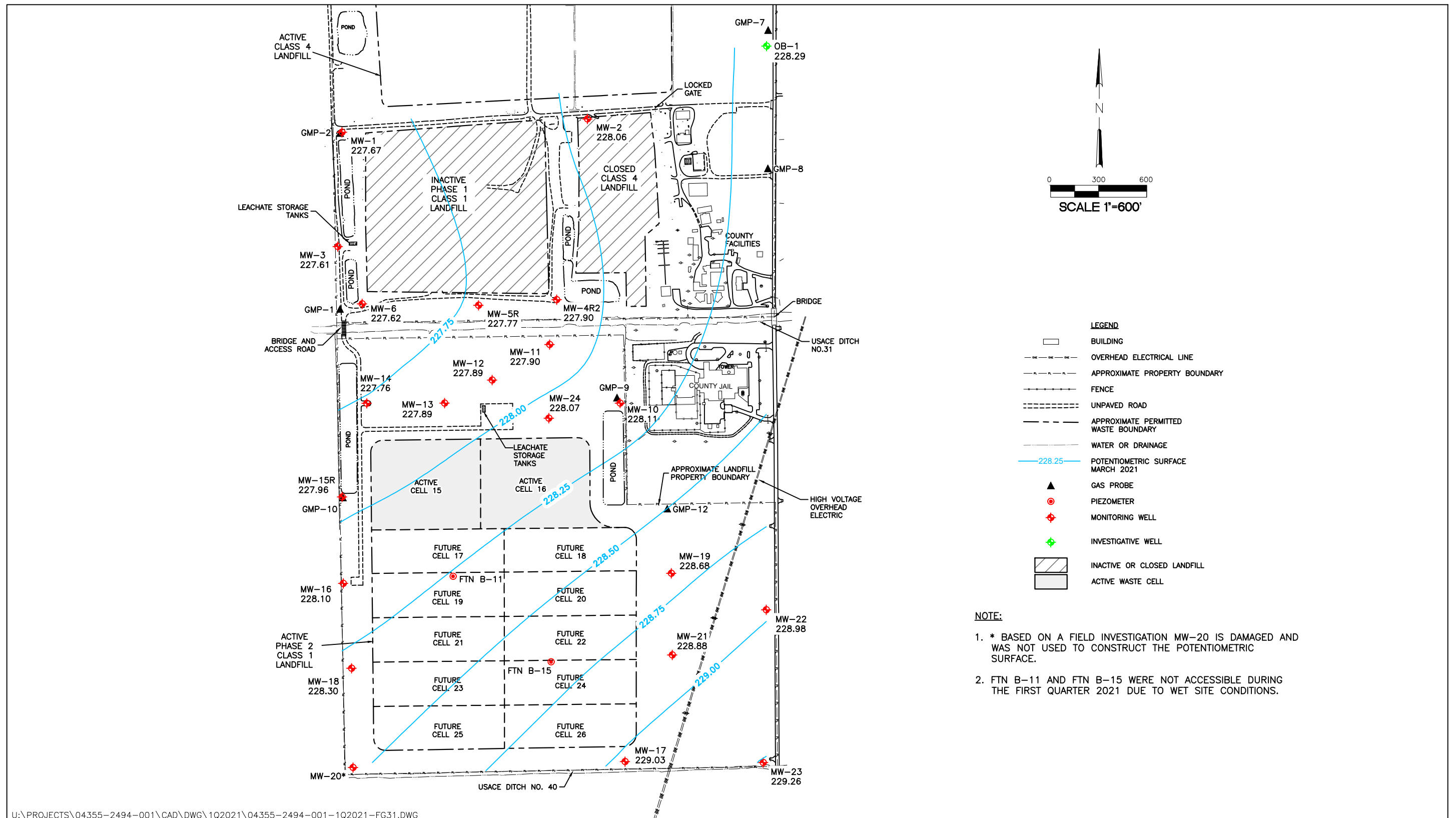


Figure 3.1. Potentiometric surface, March 9, 2021.

4.0 GROUNDWATER QUALITY DATA

This section presents analytical results from sampling performed during the first quarter 2021 and reviews field and laboratory QA/QC measures.

4.1 Summary of Groundwater Quality Results

Samples from the phase 1 monitoring wells were analyzed for the appendix 2 list of parameters during the first quarter 2021 event, as required by §22.1205(b). In addition, verification sampling was also conducted during this event at select phase 2 monitoring wells that had unverified statistical exceedances during the fourth quarter 2020. Laboratory reports provided by Pace are included in Appendix B and a review of the laboratory quality control information is provided in Section 4.2. Data from the first quarter 2021 event are compiled in the landfill's historical groundwater database, which is included as Appendix C.

Analytical results for parameters detected above the laboratory reporting detection limit (RDL) are summarized in Table 4.1, along with field-measured pH and turbidity. The proposed groundwater protection standards (GWPSs) (DINs 75058, 78150, and 80258) are included in Table 4.1 for comparison purposes. As shown in Table 4.1, three of the phase 1 wells, MW-1, MW-4R2, and MW-5R, had measured levels of arsenic above the proposed GWPS. However, numerous published reports have documented that arsenic concentrations above the MCL (0.01 mg/L) are typical of the regional groundwater quality of the underlying aquifer (Gonthier 2003, Kresse and Fazio 2003, Kresse et al. 2014).

Table 4.1. Reported values for parameters detected in groundwater samples, first quarter 2021.

Analyte	Date Collected	Arsenic (mg/L)	Barium (mg/L)	Chloride (mg/L)	Iron (mg/L)	Manganese (mg/L)	Nickel (mg/L)	Sulfate (mg/L)	TDS (mg/L)	TOC (mg/L)	Zinc (mg/L)	pH (su)	Turbidity (NTU)
Phase 1 Quarterly Assessment Monitoring													
MW-1	3/11/2021	0.0962	0.453	55.3	14.1	3.05	0.00408	37.5	548	4.22	0.00988 BJ	6.9	4.8
MW-2	3/11/2021	0.00130 J	0.133	14.0	0.156	0.0765	<0.00200	88.7	560	3.07 B	0.00508 BJ	7.1	2.7
MW-3	3/11/2021	0.00436	0.261	139	3.08	0.697	0.0148	41.2	719	3.29 B	0.00721 BJ	6.6	9.7
MW-4R2	3/11/2021	0.104	0.403	23.8	19.5	1.64	0.00356	14.5	333	3.64	0.00747 BJ	6.8	9.5
MW-5R	3/11/2021	0.0899	0.427	9.07	17.2	2.07	0.00103 J	45.2	357	1.70 B	0.00663 BJ	7.0	5.5
MW-6	3/11/2021	0.00317	0.304	30.9	7.37	0.801	0.00492	22.7	476	3.19 B	0.00495 BJ	7.0	7.6
OB-1 ^(a)	3/9/2021	0.0308	0.235	1.44 B	5.27	2.33	0.00102 J	4.93 J	380	2.01 B	0.0295 B	6.8	3.5
Phase 2 Verification Sampling													
MW-11	3/9/2021	---	---	---	---	---	---	---	---	---	---	7.1	9.5
	4/19/2021	---	---	---	---	---	---	---	---	---	---	6.9	9.9
MW-24	3/9/2021	---	0.369	---	---	1.63	---	---	---	---	---	7.4	9.4
Quality Control Samples													
EB-1 ^(b)	3/11/2021	<0.00200	0.000425 J	<1.00	<0.100	0.00139 J	<0.00200	<5.00	<10.0	0.307 BJ	0.00759 BJ	---	---
MW-3 DUP ^(b)	3/11/2021	0.00438	0.275	140	3.09	0.688	0.0150	41.4	688	2.95 B	0.00717 BJ	---	---
EB-2 ^(c)	3/9/2021	---	0.000616 J	---	---	0.00158 J	---	---	---	---	---	---	---
MW-24 DUP ^(c)	3/9/2021	---	0.370	---	---	1.66	---	---	---	---	---	---	---
Proposed GWPS		0.04048 ^(d)	2 ^(e)	---	---	---	0.2 ^(f)	---	---	---	0.2 ^(f)	---	---

Notes: “B” flag indicates a detection in an associated quality control sample. “J” flag indicates the parameter was detected below the RDL; the reported value is an estimate.

a. OB-1 is not a phase 1 monitoring well; however, it is being sampled for additional background water quality data while the phase 1 wells are in assessment monitoring.

b. EB-1 was a field equipment rinsate blank and MW-3 DUP was a duplicate of MW-3 for the phase 1 wells.

c. EB-2 was a field equipment rinsate blank and MW-24 DUP was a duplicate of MW-24 for the phase 2 wells.

d. Proposed GWPS is pending approval by DEQ and Mississippi County; proposed GWPS is based on site-specific background of phase 2 upgradient wells.

e. Proposed GWPS is an EPA MCL (DINs 75058 and 78150).

f. Proposed GWPS is an EPA risk-based screening level (DINs 75058 and 78150).

4.1.1 AMC List Based on First Quarter 2021 Appendix 2 Results

As indicated by Table 4.1, none of the appendix 2 parameters were detected above the RDL in the phase 1 monitoring wells. As such, and pursuant to §22.1205(b), the landfill's AMC list for the second quarter through fourth quarter 2021 will be the same list required by permit no. 0136-S1-R4 (Table 2.3).

4.1.2 Review of Appendix 2 Results, 2017 through 2021

The first quarter 2021 represents the fifth annual analysis of appendix 2 parameters. None of the five annual evaluations have shown any new detections beyond those historically reported from routine monitoring for the list of constituents required by permit no. 0136-S1-R4. In view of this, Mississippi County submitted a request dated June 4, 2021 (DIN 80261), to reduce the frequency of appendix 2 analysis to a triennial event for the duration of assessment monitoring. The submittal also included a request to reduce the sampling requirements to a semiannual frequency given that groundwater quality has not deteriorated since the implementation of assessment monitoring and because the additional data are not necessary to perform the requisite statistical evaluations.

4.2 Laboratory QA/QC Data Evaluation

Laboratory reports provided by Pace are included in Appendix B. Based on FTN's review of the data quality documentation provided by Pace, the overall quality of the data relative to the contaminants of concern was acceptable and generally met method-specific requirements for precision and accuracy. According to documentation provided by Pace (Appendix B), the groundwater samples were received by the laboratory in good condition, properly preserved, at the correct temperature, and were analyzed within holding times. Based on the laboratory report, the first quarter 2021 reporting limits established by Pace are consistent with the fourth quarter 2020 reporting limits.

4.3 Field QA/QC Data Evaluation

Field QA/QC samples include sample duplicates, field equipment rinsate blanks and trip blanks. Sample duplicates are taken as an assessment of the reproducibility of sampling methods. To verify that results for a duplicate pair show reasonable precision for analyzed parameters, the relative percent difference (RPD) is calculated when the detected level is at least five times the laboratory RDL and where neither result is qualified or suspected of blank contamination. The RPD quality control limit is 20%. Equipment rinsate blanks are taken to assess the effectiveness of field decontamination procedures. The trip blank is prepared by the laboratory and shipped with other sample bottles. Trip blanks are used to determine error introduced by shipping or analytical procedures. When a detection occurs above an RDL in a quality control blank, associated groundwater data for the detected parameter are flagged with a “B” in the historical database if the measured levels in the groundwater samples are above the reporting limit. EPA guidance (1986) recommends that detections in quality control blanks not be used to correct groundwater data.

Field QA/QC samples were collected in conjunction with groundwater sampling activities performed during the first quarter 2021. All QA/QC samples were handled in the same manner as groundwater samples with respect to sample collection, packaging, shipping, preservation, and COC procedures. Field QA/QC during the first quarter 2021 included the collection of two duplicates, two equipment rinsate blanks, and one trip blank. Results of the QA/QC evaluation are as follows:

- The field duplicates were taken at MW-3 and MW-24 and were labeled as MW-3 DUP and MW-24 DUP, respectively. All calculated RPDs between the duplicate samples were below the quality control limit of 20%, indicating that sampling methods produced samples with an acceptable level of reproducibility.
- Results for the equipment rinsate blanks, EB-1 and EB-2, were below the respective laboratory RDLs, indicating field decontamination methods were generally effective.
- There were no reported values above the RDL in the laboratory trip blank.

5.0 STATISTICAL EVALUATION

This section describes the statistical approach used to evaluate data for detected parameters for the current monitoring period, followed by a discussion of the results.

5.1 Statistical Program Design

The statistical approach for groundwater monitoring at the landfill is described in detail in the facility's approved GWSAP and adheres to recommendations in EPA's *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance*, released in March 2009 (Unified Guidance). A combination of detection and assessment monitoring statistical tests are applied to evaluate groundwater quality data at this site, as summarized in the following sections.

5.1.1 Detection Monitoring Statistics

In the absence of a confirmed statistically significant increase (SSI), or statistically significant decrease (SSD) in the case of pH, detected well-parameter pairs are analyzed using either intrawell prediction limits combined with a "1 of 2" retesting strategy or with a Mann-Kendall/Sen's Slope test to determine if statistically significant changes in groundwater quality have occurred.

Intrawell prediction limits are applied to well-parameter combinations that have background populations containing a minimum of 8 to 10 independent values that have a stationary statistical distribution (i.e., the data do not change over time). Retesting, or verification sampling, is required by the landfill's GWSAP if an initial sampling result exceeds a prediction limit. The "1 of 2" retesting strategy requires one verification sample be obtained within the same monitoring period as the initial exceedance. If the measured value in the verification sample also exceeds the prediction limit, then an SSI (or SSD in the case of pH) is declared.

Well-parameter pairs that exhibit non-stationarity are tested for statistically significant changes using the Mann-Kendall/Sen's Slope test for trends. If a statistically significant increasing trend (or statistically significant decreasing trend in the case of pH) is indicated, then this is evidence of possible deteriorating groundwater quality. While there is no explicit retesting

strategy for the Mann-Kendall/Sen's Slope test (as there is for prediction limits), retesting can be applied (Cameron 2015).

At this time, DEQ requires the facility to statistically evaluate all phase 1 well data on a quarterly basis, including those well-parameter pairs being evaluated by detection monitoring statistics. The elevated frequency for groundwater sampling and statistical evaluation is problematic for the landfill's "1 of 2" retesting strategy because of the requirement to obtain statistically independent samples. According to ASTM D6312-17 (ASTM International 2017) and Gibbons (1994), groundwater should be sampled no more frequently than quarterly to avoid auto-correlated data. As such, the facility is unable to implement the "1 of 2" re-testing strategy for phase 1 wells at this time. The "1 of 2" retesting strategy does, however, apply to the phase 2 detection monitoring wells, which are sampled semiannually. When an unverified statistical exceedance is identified for a well-parameter pair from the phase 1 area, the sample collected during the next quarterly monitoring period is used as a pseudo-verification sample to confirm or disconfirm the SSI/SSD.

Appendix D identifies the statistical test applied to each well-parameter pair in the landfill's detection monitoring program. Background data sets used for prediction limit analyses are also identified in Appendix D.

5.1.2 Assessment Monitoring Statistics

During assessment monitoring, data are evaluated to determine if groundwater concentrations are at statistically significant levels (SSLs) above a GWPS. For this type of analysis, the Unified Guidance recommends confidence interval testing against a fixed GWPS. Similar to the statistical tests used for detection monitoring, a confidence interval test assumes the data tested are statistically independent and exhibit stationarity. Confidence interval tests can be parametric (for data with a normal or transformed-normal distribution) or nonparametric (for data that are not normally distributed). The Unified Guidance recommends using eight or more values per compliance well to construct a confidence interval. Fewer values may be used; however, a minimum of four data points is required to construct a parametric confidence interval, and a minimum of seven data points is required to construct a nonparametric confidence interval.

Sections 22.1205(d)(4) and 22.1205(h) require the landfill to establish GWPSs for detected constituents for use in the assessment monitoring statistical analyses. GWPSs are established per the requirements of §22.1205(h), which states the following:

1. For constituents for which an MCL has been promulgated under Section 1412 of the Safe Drinking Water Act (codified) under Title 40 of the Code of Federal Regulations (CFR) Part 141, the GWPS shall be the MCL for that constituent;
2. For constituents for which MCLs have not been promulgated, the GWPS shall be the background concentration for the constituent established from wells in accordance with §22.1202(a)(1); or
3. For constituents for which the background level is higher than the MCL identified under §22.1205(h)(1) or health-based levels identified under §22.1205(i)(1), the GWPS shall be the background concentration.

In accordance with communication between Mississippi County and DEQ (DINs 72632, 72774, and 73164), the landfill submitted a proposed list of GWPSs to DEQ for approval on December 3, 2018 (DIN 75058). Since then, the following correspondence has occurred:

- DEQ issued comments regarding the proposed GWPSs on February 4, 2019 (DIN 75447). The landfill submitted a response to DEQ comments on March 6, 2019 (DIN 75698).
- DEQ responded to the landfill's response on March 17, 2020 (DIN 77965) with additional comments on the proposed GWPSs. In a separate DEQ letter also dated March 17, 2020 (DIN 77966), DEQ did not approve any of the GWPSs but requested that the landfill statistically evaluate well-parameter pairs using the landfill's proposed GWPSs.
- The landfill responded to DEQ's letters on April 17, 2020 (DINs 78149 and 78150). Per this correspondence, the landfill agreed to evaluate well-parameter pairs with proposed GWPSs, as applicable, with the exception of arsenic due to ongoing correspondence regarding this parameter.
- DEQ responded to the landfill's response on May 6, 2021 (DIN 80031), with additional comments on the proposed arsenic GWPS and a request that the landfill statistically evaluate well-parameter pairs using the proposed arsenic GWPS.
- DEQ and FTN met on May 17, 2021, to discuss DEQ's May 6, 2021, letter.
- The landfill responded to the DEQ letter on June 4, 2021 (DIN 80258). The landfill agreed to evaluate the well-parameter pairs with the proposed arsenic GWPS, as applicable, until the GWPS is agreed upon by the landfill and DEQ.

Table 5.1 summarizes the well-parameter pairs with confirmed SSIs. Of these, arsenic, barium, and nickel were evaluated against their respective proposed GWPSs using confidence interval tests in this report. The other parameters listed in Table 5.1 are general water quality parameters and do not have enforceable limits established by the federal National Primary Drinking Water Regulations. As such, the past eight measured values of these parameters are tested using the Mann-Kendall/Sen's Slope test to determine the presence of recent changes in groundwater quality.

Table 5.1. Well-parameter pairs in assessment monitoring due to confirmed SSIs.

Parameter	Well ID
Arsenic	MW-1
	MW-4R2
	MW-5R
Barium	MW-1
	MW-5R
Chloride	MW-3
	MW-4R2
	MW-5R
	MW-6
Iron	MW-1
Manganese	MW-1
Nickel	MW-3
	MW-4R2
Sulfate	MW-2
TDS	MW-1
	MW-3

5.1.3 Site-Wide False Positive Rate and Power

The Unified Guidance (EPA 2009) recommends that detection monitoring programs have adequate statistical power and a site-wide false positive rate (SWFPR, or alpha) value of 10% over a one-year period of testing. At this time, quarterly data collected at the phase 1 wells as part of the assessment monitoring program are evaluated using the detection monitoring approach described in Section 5.1.1 as long as the well-parameter pairs have not been identified as confirmed SSIs/SSDs or exceeded a GWPS. As such, the SWFPR for the phase 1 monitoring system is fixed at 2.5% for each quarterly evaluation. The SWFPR for the phase 2 monitoring

system is fixed at 5.0% for each semiannual evaluation. The magnitude of the per-test alpha will vary depending on the number and frequency of statistically evaluated well-parameter pairs. Input criteria to determine the per-test alpha for intrawell prediction limit analyses for the 2021 quarterly and semiannual evaluations of phase 1 and phase 2 data are shown in Tables 5.2 and 5.3, respectively.

Table 5.2. Test α and power curve criteria for quarterly monitoring during 2021.

Criteria for Test α and Power Curve Generation for 2021 Quarterly Monitoring^(a)	
Statistical Test	intrawell prediction limit
Number of Downgradient Monitoring Wells	Five (MW-1, MW-3, MW-4R2, MW-5R, and MW-6)
Background Sample Size (n)	20 (based on minimum background for sulfate at MW-4R2) ^(a)
Number of Constituents	Ten parameters are expected: arsenic, barium, chloride, iron, manganese, nickel, sulfate, TDS, TOC, and pH.
Re-Sample Strategy	1 of 2 ^(b)
Per-Evaluation SWFPR	0.025

Notes:

- (a) Updated prior to the first quarter 2020.
- (b) The “1 of 2” re-sample strategy includes one verification sampling event within the same monitoring period. However, the quarterly assessment monitoring sampling frequency is too high to obtain an additional statistically independent sample within the same monitoring period. As such, re-testing is not performed, but a specified resampling plan must be included in the test α calculation using Unified Guidance standards in Sanitas.

Table 5.3. Test α and power curve criteria for semiannual monitoring during 2021.

Criteria for Test α and Power Curve Generation for 2021 Semiannual Monitoring^(a)	
Statistical Test	intrawell prediction limit
Number of Downgradient Monitoring Wells	Five (MW-12, MW-13, MW-14, MW-15R, and MW-16)
Background Sample Size (n)	8 (based on minimum background at MW-16) ^(a)
Number of Constituents	Ten parameters are expected: arsenic, barium, chloride, iron, manganese, nickel, sulfate, TDS, TOC, and pH.
Re-Sample Strategy	1 of 2 ^(b)
Per-Evaluation SWFPR	0.05

Notes:

- (a) Updated prior to the first quarter 2020.
- (b) The “1 of 2” re-sample strategy includes one verification sampling event within the same monitoring period.

Statistical power is inversely related to the SWFPR and is an estimate of the rate at which false negative results will occur. To gauge statistical power, EPA guidance recommends the use of the EPA Reference Power Curve (ERPC) to estimate the ability of any individual test to

identify a statistically significant deviation from background. Any single statistical test should have the ability to detect an exceedance 55% to 60% of the time at three standard deviations (3σ) above background, and 80% to 85% of the time at 4σ above background. Input criteria used to construct the power curves for the 2021 phase 1 and phase 2 monitoring programs are included in Tables 5.2 and 5.3, respectively. The power curves for each program are discussed below.

Figure 5.1 depicts the power curve for quarterly monitoring of the phase 1 wells plotted against the ERPC. This curve indicates that any single test will detect exceedances approximately 90% of the time at concentrations that are 3σ above background levels and approximately 100% of the time at 4σ above background. This curve indicates that the statistical power of the phase 1 monitoring program exceeds EPA recommendations.

Figure 5.2 depicts the power curve for semiannual monitoring of the phase 2 wells. This curve indicates that any single test will detect exceedances approximately 50% of the time at concentrations 3σ above background, just below the EPA-recommended range, and approximately 83% of the time at 4σ , within the EPA-recommended range. This curve indicates that the statistical power of the phase 2 monitoring program generally meets EPA recommendations. It is anticipated that the semiannual program's statistical power will improve as more data are available for use as background. At this time, some of the newer wells only contain the minimum recommended number of values for background ($n=8$) to evaluate using prediction limits. Having fewer background data for these wells lowers the estimated statistical power of the program.

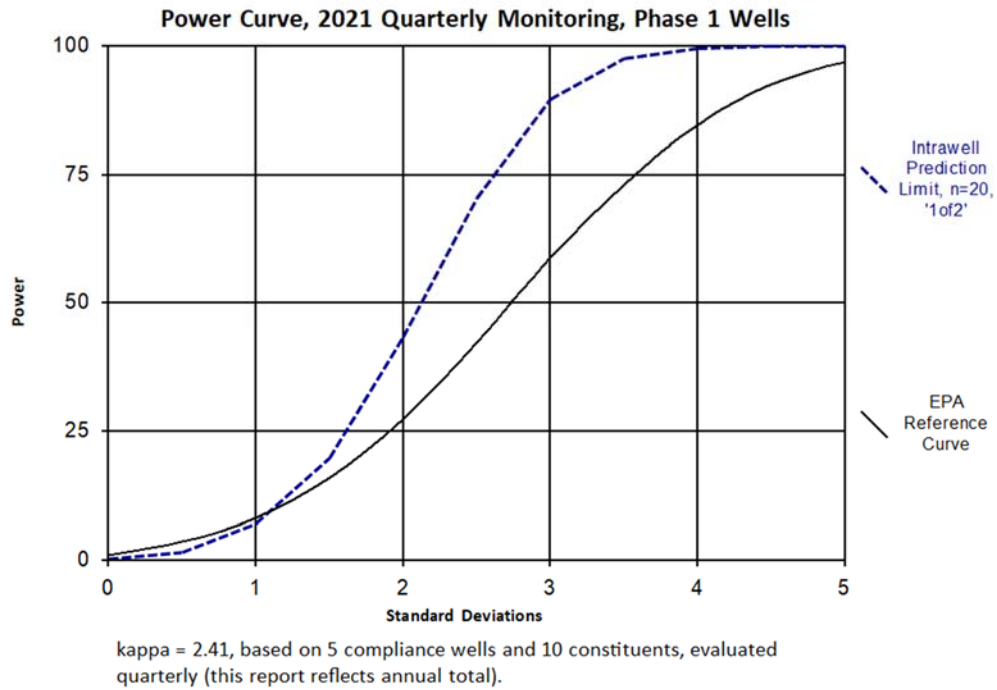


Figure 5.1. Power curve for quarterly statistical evaluations, 2021.

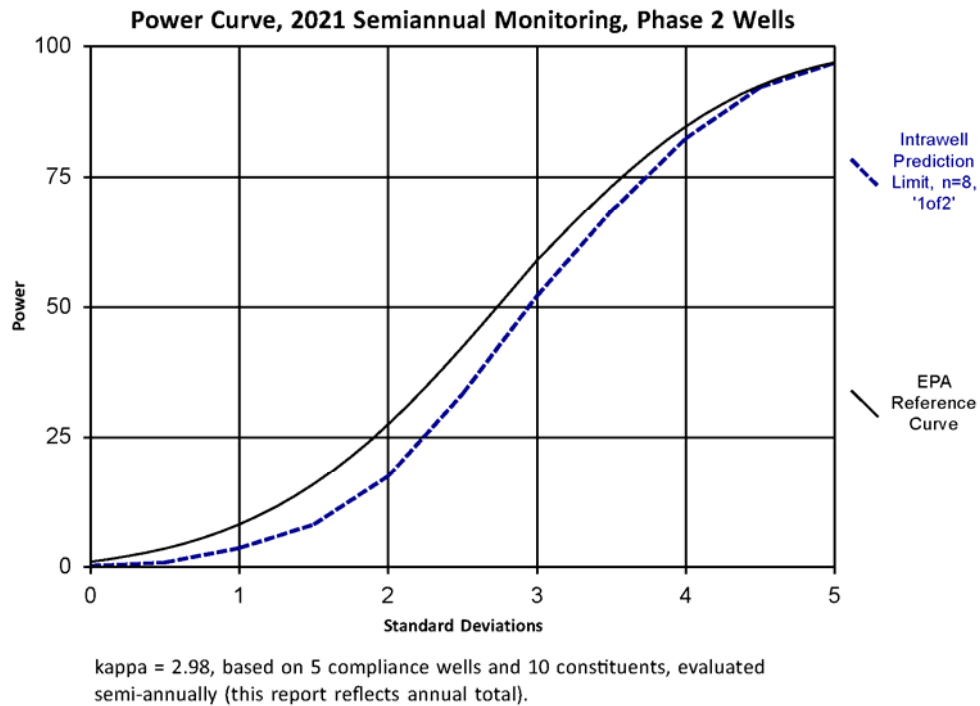


Figure 5.2. Power curve for semiannual statistical evaluations, 2021.

5.2 Statistical Results

Statistical evaluations were performed on the first quarter 2021 data set using the *Sanitas* software program. No statistical evaluations were conducted for parameters detected below the RDL per §22.1203(h)(5). Results detected below the RDL are flagged with a “J” in Appendix C.

5.2.1 Exploratory Data Analysis

Exploratory data analysis includes viewing data graphically to identify apparent trends or excursions from normal ranges. To accomplish this, period-of-record data were screened using time-series plots and box-and-whiskers diagrams. Time-series plots are used to visualize changes in data over time. Box-and-whiskers diagrams provide a graphic depiction of the mean, median, minimum, maximum, and interquartile range of a data set to assist with visualizing the variation in groundwater quality within and across wells. Results from these analyses are included in Appendix E.

5.2.2 Outlier Screening

Data were screened for outliers using Dixon’s, Rosner’s, or Tukey’s outlier tests. The tests indicated one statistical outlier in the first quarter 2021 data set: nickel at MW-3 was statistically high compared to its period-of-record data set.

5.2.3 Detection Monitoring, Retesting Results for Fourth Quarter 2020

The fourth quarter 2020 statistical evaluation indicated potential exceedances of calculated prediction limits for the two phase 1 well-parameter pairs summarized in Table 5.4. As discussed in Section 5.1.1, verification sampling for the phase 1 wells cannot be implemented due to the quarterly sampling frequency required by DEQ. As such, data from the first quarter 2021 event were used as pseudo-verification and the results disconfirmed both potential exceedances.

Table 5.4 also shows the potential exceedances identified at phase 2 wells during the fourth quarter 2020. Verification sampling results from the first quarter 2021 confirmed the SSI for barium at MW-24; the remaining potential exceedances were disconfirmed.

Table 5.4. Verification results for unverified statistical exceedances from fourth quarter 2020.

Parameter	Well ID	Prediction Limit (mg/L)	Fourth Quarter 2020 Observation	First Quarter 2021 Observation	SSI Confirmed?
Phase 1 Monitoring Wells					
Barium	MW-3	0.5163 mg/L	0.530 mg/L	0.261 mg/L	No
Manganese	MW-4R2	1.773 mg/L ⁽¹⁾	2.07 mg/L	1.64 mg/L	No
Phase 2 Monitoring Wells					
Barium	MW-24	0.3471 mg/L	0.365 mg/L	0.369 mg/L	Yes
Manganese	MW-24	1.664 mg/L	1.68 mg/L	1.63 mg/L	No
pH	MW-11	6.963 su / 6.333 su	6.3 su	6.9 su ⁽²⁾	No

Notes:

1. Prediction limit value changed slightly due to deseasonalization by *Sanitas*.
2. Due to a suspected issue with the pH meter, the March 2021 pH value at MW-11 was verified on April 19, 2021, and the March 2021 pH value was subsequently rejected in the historical database.

Per the requirements of §22.1204(c)(1), a notice will be placed in the landfill's operating record identifying the confirmed SSI for barium at MW-24 and the DEQ director will be notified that the notice was placed. Additionally, based on the discussion with DEQ on May 17, 2021, and documented in the landfill response letter dated June 4, 2021 (DIN 80258), the notice will note the well-parameter pairs in assessment monitoring that have concentrations at or above the respective prediction limits. As allowed by §22.1204(c)(3), an ASD for the confirmed SSI was submitted to DEQ on June 1, 2021 (DIN 80239).

Additionally, as discussed in the fourth quarter 2020 GWMR (DIN 79734), the SSI for manganese at MW-3 confirmed during the fourth quarter 2020 was due to a statistical error. This is based on the fact that manganese concentrations at MW-3 are lower than background values (e.g., 2.49 mg/L at MW-22 during February 2016; 2.00 mg/L at MW-11 during November 2015). In addition, there is no statistically significant trend in the period-of-record data set as shown on the trend test plot included in the fourth quarter 2020 GWMR and in Appendix D of this report. As such, the background data set was updated to include data through the fourth quarter 2019 prior to performing the statistical evaluation of the first quarter 2021 data set. The first quarter 2021 value was below the updated intrawell prediction limit as shown in Appendix F.

5.2.4 Detection Monitoring, Prediction Limit Results

Intrawell prediction limits were used to determine if the first quarter 2021 data from the phase 1 wells were representative of background for all detected data except for those identified in Table D.1 in Appendix D and the well-parameter pairs listed in Table 5.1 (Section 5.1.2). Results are included in Appendix F and identified one potential exceedance, as shown in Table 5.5 below. As discussed in Section 5.1.1, verification sampling for the phase 1 wells cannot be implemented due to the quarterly sampling frequency required by DEQ. Data from the second quarter 2021 event will be used as a pseudo-verification result for this statistical exceedance.

Table 5.5. Potential statistical exceedances based on prediction limit results, first quarter 2021.

Parameter	Well ID	Prediction Limit	First Quarter 2021 Observation
Sulfate	MW-3	37.02 mg/L	41.2 mg/L

5.2.5 Confidence Interval Results, Assessment Monitoring

As agreed to in correspondence dated April 17, 2020 (DINs 78149 and 78150) and June 4, 2021 (DIN 80258), arsenic data at MW-1, MW-4R2, and MW-5R; barium data at MW-1 and MW-5R; and nickel data from MW-3 and MW-4R2 were evaluated against the proposed GWPSs of 0.04048 mg/L, 2 mg/L, and 0.2 mg/L, respectively, to determine if these parameters are present in groundwater at SSLs above the GWPSs. With the exception of nickel at MW-4R2, the last eight data points from each well-parameter pair were used to construct the confidence intervals. The confidence interval for nickel at MW-4R2 included the last seven data points due to a statistically significant trend in the eight-point window. Results are included in Appendix F and show that arsenic concentrations for MW-1, MW-4R2, and MW-5R are at SSLs above the proposed GWPS. In accordance with by §22.1205(g)(1), the landfill will submit a work plan to investigate the nature and extent of arsenic in groundwater in the vicinity of these wells.

5.2.6 Trend Test Results, Assessment Monitoring

As discussed in Section 5.1.2, the well-parameter pairs listed in Table 5.1 that do not have GWPSs were tested using the Mann-Kendall/Sen's Slope test to determine the presence of recent changes in groundwater quality. To do this, the most recent eight values for each well-parameter pair were evaluated. Graphical plots of the trend tests are included in Appendix F and results showed no statistically significant increasing trends at the 98% confidence level.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The following recommendations and conclusions are based on a review of data for the landfill from the current monitoring period:

1. Based on the March 2021 water level measurements, groundwater flow was toward the west-southwest across the phase 1 area and toward the northwest across the phase 2 area.
2. With the exception of arsenic at wells MW-1, MW-4R2, and MW-5R, none of the groundwater samples showed measured levels above a proposed GWPS. According to published reports, elevated arsenic in groundwater is ubiquitous to the regional aquifer and commonly exceeds the MCL.
3. Results from the first quarter 2021 identified a confirmed SSI for barium at MW-24. As allowed by §22.1204(c)(3), an ASD for the confirmed SSI was submitted to DEQ on June 1, 2021 (DIN 80239).
4. Statistical evaluation of the first quarter 2021 groundwater data set using intrawell prediction limits identified one potential exceedance for sulfate at MW-3. Results from the second quarter 2021 monitoring period will be used to confirm or disconfirm the potential exceedance.
5. With the exception of arsenic at MW-1, MW-4R2, and MW-5R, statistical evaluation using confidence intervals did not identify any SSLs above a proposed GWPS. A work plan will be submitted in accordance with §22.1205(g) to investigate the nature and extent of arsenic in the vicinity of these wells.
6. The Mann-Kendall/Sen's Slope test for trends for phase 1 wells in assessment monitoring without proposed GWPSs did not identify any statistically significant increasing trends.
7. Per the requirements of §22.1204(c)(1), a notice will be placed in the landfill's operating record identifying the confirmed SSI for barium at MW-24 and the DEQ director will be notified that the notice was placed. As stated above and as allowed by §22.1204(c)(3), an ASD for the confirmed SSI was submitted to DEQ on June 1, 2021 (DIN 80239).
8. Per the requirements of §22.1205(g), a notice will be placed in the landfill's operating record identifying the confirmed SSLs above the GWPS for arsenic at MW-1, MW-4R2, and MW-5R, and the DEQ director and other appropriate government officials will be notified that the notice was placed.
9. The findings from the first quarter of 2021 are generally consistent with historical results.

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APPENDIX A

Field Sampling Forms



Groundwater Level Data Sheet

Project Name: Mississippi County 2021 Groundwater Services	Project Number: R04355-2494-001	Investigator: <i>McL</i>	Page 1 of 2
Weather Conditions: <i>PK 68°</i>	Measuring Device: <i>Solinst 101</i>		

Well ID	Date	Time	Depth to Water (feet below RP)	Damages/Repairs		
MW-2	3/9/21	1021	8.55	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-4R2		1027	14.71	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-5R		1033	11.06	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-6		1037	13.23	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-3		1041	11.84	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☒ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-1		1045	9.29	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-22		820	9.85	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-23		826	9.41	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-17		832	10.86	☐ Damaged well pad/casing ☒ Damaged bollards ☐ Damaged equipment	☒ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-21		838	10.10	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-19		842	9.03	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
FTN-B15				☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☒ Lacks access ☐ See GW sample record
MW-20				☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☒ Lacks access ☐ See GW sample record
MW-18		959	9.16	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-16	✓	1004	7.80	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record

Notes:
 RP = Reference Point
 TOC = Top of Casing



Groundwater Level Data Sheet

Project Name: Mississippi County 2021 Groundwater Services	Project Number: R04355-2494-001	Investigator: <i>MCL</i>	Page 2 of 2
Weather Conditions:	Measuring Device: <i>Solinst 101</i>		

Well ID	Date	Time	Depth to Water (feet below RP)	Damages/Repairs		
FTN-B11	3/9/21			☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☒ Lacks access ☐ See GW sample record
MW-10		927	7.70	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-11		939	6.87	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-12		948	7.29	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-24		934	9.27	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-13		954	6.67	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-14		1016	8.27	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
MW-15R		1009	10.48	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
OB-1		813	7.17	☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
				☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
				☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
				☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
				☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
				☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record
				☐ Damaged well pad/casing ☐ Damaged bollards ☐ Damaged equipment	☐ Damaged TOC ☐ Damaged lock ☐ Un-kept vegetation	☐ Lacks visibility ☐ Lacks access ☐ See GW sample record

Notes:
 RP = Reference Point
 TOC = Top of Casing

Groundwater Sampling Record

Facility: Mississippi County Landfill	Site ID: MW-2	Sampler: MCL
Project Number: R04355-2494-001	Date: 3/11/21	Sampler Organization: FTN Associates, Ltd.

Site Description

Weather: Cloudy		Air Temp (°F): 76		Wind: SW 12	
Site type: ☒ Monitoring Well ☐ Extraction Well ☐ Production Well ☐ Borehole ☐ Dewatering Well ☐ Spring ☐ Other:		Well casing material: ☒ PVC ☐ Steel ☐ Iron ☐ Other:		Well diameter: inches 2 Total depth from TOC: feet TOC below/above ground: feet	
				Well locked? ☒ Yes ☐ No	
Damages/repairs needed:					

Water Level Data

Measuring point description: ☒ Mark/notch on TOC ☐ North rim of TOC ☐ Other:		Water level meter: ☐ Geotech/Keck 100' ☐ Geotech/Keck 200' ☐ Heron Dipper -T ☒ Solinst 101 ☐ Other:					
Date	mm/dd/yy	Pre-purge initial	Pre-purge confirmation	During purging	Purge end	After sampling	Remarks
3/9/21		1041	1700	1733	1752	1805	
3/11/21		9.27	9.27	9.27	9.27	9.27	
Product/ Thickness		LNAPL/DNAPL feet					

Field Data

Field data meters: ☒ YSI ProPlus ☒ Hach 2100P Turbidimeter ☐ YSI MPS 556 ☐ HF Scientific Turbidimeter ☐ Other: ☐ Other:		Pump description: ☒ Peristaltic ☐ Bladder (dedicated/portable) ☐ Submersible		Bailer description: ☐ Disposable polyethylene ☐ Disposable Teflon ☐ Disposable PVC							
Purge depth	feet	Well goes dry during purging: Yes ☐ No ☒									
Casing vol.	gallons	= [total depth (feet) - depth to water (feet)] × [internal diameter of well (inches)] ² × 0.0408									
Time	24-hour	1710	1715	1720	1725	1730	1735	1740	1745	1750	Remarks
Purge vol.	gallons										
Purge rate	mL/min	250	250	250	250	250	250	250	250	250	
pH	su	6.89	6.78	6.84	6.86	6.85	6.86	6.85	6.85	6.85	
Temp.	°C	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.4	18.4	
Sp. Cond.	µS/cm	660	680	699	719	732	763	799	813	819	
D.O.	mg/L	1.70	0.91	0.57	0.56	0.53	0.51	0.48	0.45	0.40	
ORP	mV	-36.1	-50.4	-68.4	-80.6	-83.7	-87.5	-93.4	-98.3	-100.2	
Turbidity	NTU	40.9	31.1	14.4	10.1	7.72	8.24	6.56	5.65	4.81	
Color/tint		cloudy	clear	clear	clear	clear	clear	clear	clear	clear	
Odor		None	None	None	None	None	None	None	None	None	

Sample Data

Sample ID	Date	Time	# Containers	# Filtered	Remarks
MW-2	3/11/21	1755	14	0	
EB-2	3/11/21	1810	14	0	

Sampler's Name (print): Michael Clayton

Sampler Signature: *Michael Clayton*

Groundwater Sampling Record

Facility: Mississippi County Landfill	Site ID: MW 2	Sampler: MCL
Project Number: R04355-2494-001	Date: 3/11/21	Sampler Organization: FTN Associates, Ltd.

Site Description

Weather: Cloudy		Air Temp (°F): 65		Wind: S @ 21	
Site type: ☒ Monitoring Well ☐ Extraction Well ☐ Production Well ☐ Borehole ☐ Dewatering Well ☐ Spring ☐ Other:		Well casing material: ☒ PVC ☐ Steel ☐ Iron ☐ Other:		Well diameter: inches 2 Total depth from TOC: feet TOC below/above ground: feet	
				Well locked? ☒ Yes ☐ No	
Damages/repairs needed:					

Water Level Data

Measuring point description: ☒ Mark/notch on TOC ☐ North rim of TOC ☐ Other:		Water level meter: ☐ Geotech/Keck 100' ☐ Geotech/Keck 200' ☐ Heron Dipper -T ☒ Solinst 101 ☐ Other:					
		Pre-purge initial	Pre-purge confirmation	During purging	Purge end	After sampling	Remarks
Date	mm/dd/yy	3/9/21	3/11/21				
Time	24-hour	1021	800	842	857	925	
Depth to Water	feet	8.55	8.53	8.53	8.53	8.53	
Product/ Thickness	LNAPL/DNAPL feet						

Field Data

Field data meters: ☒ YSI ProPlus ☒ Hach 2100P Turbidimeter ☐ YSI MPS 556 ☐ HF Scientific Turbidimeter ☐ Other: ☐ Other:		Pump description: ☒ Peristaltic ☐ Bladder (dedicated/portable) ☐ Submersible		Bailer description: ☐ Disposable polyethylene ☐ Disposable Teflon ☐ Disposable PVC									
Purge depth	feet	Well goes dry during purging: Yes ☒ No ☐											
Casing vol.	gallons	= [total depth (feet) - depth to water (feet)] × [internal diameter of well (inches)] ² × 0.0408											
Time	24-hour	805	810	815	820	825	830	835	840	845	850	855	Remarks
Purge vol.	gallons												
Purge rate	mL/min	140	140	140	140	140	140	140	140	140	140	140	
pH	su	7.64	7.73	7.77	7.79	7.52	7.41	7.34	7.24	7.16	7.14	7.08	
Temp.	°C	17.6	17.8	18.0	18.1	18.2	18.1	18.2	18.2	18.2	18.3	18.3	
Sp. Cond.	µS/cm	4972	494.1	500.1	502.0	578	638	702	762	782	781	784	
D.O.	mg/L	10.96	8.74	8.84	8.70	5.93	4.38	3.01	1.70	1.04	0.90	0.63	
ORP	mV	80.5	56.8	48.8	45.6	38.4	32.4	25.8	15.3	3.2	-1.4	0.776	
Turbidity	NTU	4.23	3.64	3.64	3.65	6.91	5.40	4.91	3.72	4.05	3.64	2.71	
Color/tint		Clear											
Odor		None											

Sample Data

Sample ID	Date	Time	# Containers	# Filtered	Remarks
MW 2	3/11/21	900	14	0	

Sampler's Name (print): Michael Clayton	Sampler Signature: <i>Michael Clayton</i>

Groundwater Sampling Record

Facility: Mississippi County Landfill	Site ID: <u>MW 3</u>	Sampler: <u>MCL</u>
Project Number: R04355-2494-001	Date: <u>3/11/21</u>	Sampler Organization: FTN Associates, Ltd.

Site Description

Weather: <u>Cloudy</u>		Air Temp (°F): <u>74</u>		Wind: <u>SW 21</u>	
Site type: ☒ Monitoring Well ☐ Extraction Well ☐ Production Well ☐ Borehole ☐ Dewatering Well ☐ Spring ☐ Other:		Well casing material: ☒ PVC ☐ Steel ☐ Iron ☐ Other:		Well diameter: inches <u>2</u> Total depth from TOC: feet TOC below/above ground: feet	
Damages/repairs needed:				Well locked? ☒ Yes ☐ No	

Water Level Data

Measuring point description: ☒ Mark/notch on TOC ☐ North rim of TOC ☐ Other:		Water level meter: ☐ Geotech/Keck 100' ☐ Geotech/Keck 200' ☐ Heron Dipper -T ☒ Solinst 101 ☐ Other:					
Date	mm/dd/yy	Pre-purge initial	Pre-purge confirmation	During purging	Purge end	After sampling	Remarks
		<u>3/9/21</u>	<u>3/11/21</u>				
Time	24-hour	<u>1041</u>	<u>1420</u>	<u>1503</u>	<u>1548</u>	<u>1651</u>	
Depth to Water	feet	<u>11.84</u>	<u>11.80</u>	<u>11.80</u>	<u>11.80</u>	<u>11.80</u>	
Product/ Thickness	LNAPL/DNAPL feet						

Field Data

Field data meters: ☒ YSI ProPlus ☒ Hach 2100P Turbidimeter ☐ YSI MPS 556 ☐ HF Scientific Turbidimeter ☐ Other: ☐ Other:		Pump description: ☒ Peristaltic ☐ Bladder (dedicated/portable) ☐ Submersible		Bailer description: ☐ Disposable polyethylene ☐ Disposable Teflon ☐ Disposable PVC												
Purge depth	feet	Well goes dry during purging: Yes ☒ No														
Casing vol.	gallons	= [total depth (feet) - depth to water (feet)] × [internal diameter of well (inches)] ² × 0.0408														
Time	24-hour	<u>1435</u>	<u>1440</u>	<u>1445</u>	<u>1450</u>	<u>1455</u>	<u>1500</u>	<u>1505</u>	<u>1510</u>	<u>1515</u>	<u>1520</u>	<u>1525</u>	<u>1530</u>	Remarks		
Purge vol.	gallons	<u>1435</u>												<u>1535</u>	<u>1540</u>	<u>1545</u>
Purge rate	mL/min	<u>280</u>	<u>280</u>	<u>280</u>	<u>280</u>	<u>280</u>	<u>280</u>	<u>280</u>	<u>280</u>	<u>160</u>	<u>160</u>	<u>160</u>	<u>160</u>	<u>90</u>	<u>90</u>	<u>70</u>
pH	su	<u>6.57</u>	<u>6.60</u>	<u>6.57</u>	<u>6.60</u>	<u>6.61</u>	<u>6.61</u>	<u>6.61</u>	<u>6.61</u>	<u>6.62</u>	<u>6.62</u>	<u>6.62</u>	<u>6.62</u>	<u>6.63</u>	<u>6.61</u>	<u>6.61</u>
Temp.	°C	<u>18.7</u>	<u>18.7</u>	<u>19.0</u>	<u>19.2</u>	<u>19.2</u>	<u>19.4</u>	<u>19.6</u>	<u>19.4</u>	<u>19.4</u>	<u>19.2</u>	<u>19.1</u>	<u>19.0</u>	<u>19.1</u>	<u>18.9</u>	<u>18.7</u>
Sp. Cond.	µS/cm	<u>1123</u>	<u>1125</u>	<u>1127</u>	<u>1128</u>	<u>1128</u>	<u>1128</u>	<u>1125</u>	<u>1122</u>	<u>1119</u>	<u>1116</u>	<u>1116</u>	<u>1111</u>	<u>1111</u>	<u>1102</u>	<u>1106</u>
D.O.	mg/L	<u>0.80</u>	<u>0.58</u>	<u>0.44</u>	<u>0.35</u>	<u>0.33</u>	<u>0.33</u>	<u>0.29</u>	<u>0.37</u>	<u>0.45</u>	<u>0.46</u>	<u>0.47</u>	<u>0.49</u>	<u>0.52</u>	<u>0.53</u>	<u>0.55</u>
ORP	mV	<u>2.8</u>	<u>-4.1</u>	<u>-10.0</u>	<u>-20.2</u>	<u>-25.3</u>	<u>-28.2</u>	<u>-34.2</u>	<u>-38.4</u>	<u>-39.8</u>	<u>-38.9</u>	<u>-39.6</u>	<u>-39.2</u>	<u>-39.7</u>	<u>-38.2</u>	<u>-37.7</u>
Turbidity	NTU	<u>119</u>	<u>82.5</u>	<u>61.5</u>	<u>40.0</u>	<u>41.3</u>	<u>38.0</u>	<u>32.9</u>	<u>46.1</u>	<u>17.9</u>	<u>20.1</u>	<u>15.2</u>	<u>13.5</u>	<u>12.9</u>	<u>11.8</u>	<u>9.71</u>
Color/tint		<u>Orange Portwine</u>														
Odor		<u>None</u>														

Sample Data

Sample ID	Date	Time	# Containers	# Filtered	Remarks
<u>MW 3</u>	<u>3/11/21</u>	<u>1600</u>	<u>14</u>	<u>0</u>	
<u>MW 3 Dup</u>	<u>3/11/21</u>	<u>1605</u>	<u>14</u>	<u>0</u>	

Sampler's Name (print): Michelle Clayton

Sampler Signature: Michelle Clayton

Groundwater Sampling Record

Facility: Mississippi County Landfill	Site ID: MW 4R2	Sampler: MCL
Project Number: R04355-2494-001	Date: 3/11/21	Sampler Organization: FTN Associates, Ltd.

Site Description

Weather: Cloudy		Air Temp (°F): 65		Wind: S @ 22	
Site type: ☒ Monitoring Well ☐ Extraction Well ☐ Production Well ☐ Borehole ☐ Dewatering Well ☐ Spring ☐ Other:		Well casing material: ☒ PVC ☐ Steel ☐ Iron ☐ Other:		Well diameter: inches 2 Total depth from TOC: feet TOC below/above ground: feet	
				Well locked? ☒ Yes ☐ No	
Damages/repairs needed:					

Water Level Data

Measuring point description: ☒ Mark/notch on TOC ☐ North rim of TOC ☐ Other:		Water level meter: ☐ Geotech/Keck 100' ☐ Geotech/Keck 200' ☐ Heron Dipper -T ☒ Solinst 101 ☐ Other:					
Date	mm/dd/yy	Pre-purge initial	Pre-purge confirmation	During purging	Purge end	After sampling	Remarks
3/9/21		1027	935	1007	1018	1044	
Time	24-hour	14.71	14.69	14.69	14.69	14.69	
Depth to Water	feet						
Product/ Thickness	LNAPL/DNAPL feet						

Field Data

Field data meters: ☒ YSI ProPlus ☐ YSI MPS 556 ☐ Other:		☒ Hach 2100P Turbidimeter ☐ HF Scientific Turbidimeter ☐ Other:		Pump description: ☒ Peristaltic ☐ Bladder (dedicated/portable) ☐ Submersible		Bailer description: ☐ Disposable polyethylene ☐ Disposable Teflon ☐ Disposable PVC	
Purge depth	feet	Well goes dry during purging: Yes No					
Casing vol.	gallons	= [total depth (feet) - depth to water (feet)] × [internal diameter of well (inches)] ² × 0.0408					
Time	24-hour	950	955	1000	1005	1010	1015
Purge vol.	gallons						
Purge rate	mL/min	190	190	190	190	150	150
pH	su	6.83	6.78	6.79	6.80	6.80	6.81
Temp.	°C	19.3	19.3	19.4	19.4	19.6	19.5
Sp. Cond.	µS/cm	541.4	533.4	532.8	531.5	530.6	530.8
D.O.	mg/L	1.54	0.42	0.39	0.36	0.35	0.36
ORP	mV	-39.2	-88.6	-94.9	-98.3	-100.2	-101.0
Turbidity	NTU	52.2	19.7	14.8	13.5	10.6	9.52
Color/tint		clear/Amber					
Odor		None					

Sample Data

Sample ID	Date	Time	# Containers	# Filtered	Remarks
MW 4R2	3/11/21	1020	14	0	

Sampler's Name (print): Michael Clayton	Sampler Signature: <i>Michael Clayton</i>

Groundwater Sampling Record

Facility: Mississippi County Landfill	Site ID: MW 5R	Sampler: MCL
Project Number: R04355-2494-001	Date: 3/11/21	Sampler Organization: FTN Associates, Ltd.

Site Description

Weather: Cloudy		Air Temp (°F): 66		Wind: S @ 21	
Site type: ☒ Monitoring Well ☐ Extraction Well ☐ Production Well ☐ Borehole ☐ Dewatering Well ☐ Spring ☐ Other:		Well casing material: ☒ PVC ☐ Steel ☐ Iron ☐ Other:		Well diameter: inches 2 Total depth from TOC: feet TOC below/above ground: feet	
				Well locked? <u>Yes</u> No	
Damages/repairs needed:					

Water Level Data

Measuring point description: ☒ Mark/notch on TOC ☐ North rim of TOC ☐ Other:		Water level meter: ☐ Geotech/Keck 100' ☐ Geotech/Keck 200' ☐ Heron Dipper -T ☒ Solinst 101 ☐ Other:					
		Pre-purge initial	Pre-purge confirmation	During purging	Purge end	After sampling	Remarks
Date	mm/dd/yy	3/9/21	3/11/21	→			
Time	24-hour	1033	1055	1127	1143	1204	
Depth to Water	feet	11.06	11.02	11.02	11.02	11.02	
Product/ Thickness	LNAPL/DNAPL feet						

Field Data

Field data meters: ☒ YSI ProPlus ☒ Hach 2100P Turbidimeter ☐ YSI MPS 556 ☐ HF Scientific Turbidimeter ☐ Other: ☐ Other:		Pump description: ☒ Peristaltic ☐ Bladder (dedicated/portable) ☐ Submersible		Bailer description: ☐ Disposable polyethylene ☐ Disposable Teflon ☐ Disposable PVC					
Purge depth	feet	Well goes dry during purging: Yes <u>No</u>							
Casing vol.	gallons	= [total depth (feet) - depth to water (feet)] × [internal diameter of well (inches)] ² × 0.0408							
Time	24-hour	1110	1115	1120	1125	1130	1135	1140	Remarks
Purge vol.	gallons								
Purge rate	mL/min	280	280	280	280	230	230	230	
pH	su	6.85	6.94	6.97	7.03	6.98	6.97	6.98	
Temp.	°C	18.7	18.7	18.7	18.7	18.7	18.8	18.9	
Sp. Cond.	µS/cm	554.9	556.5	554.4	554.8	553.2	551.6	550.4	
D.O.	mg/L	0.83	0.46	0.35	0.39	0.35	0.34	0.30	
ORP	mV	-112.6	-121.7	-123.5	-110.2	-118.7	-121.8	-124.7	
Turbidity	NTU	34.4	15.2	20.5	14.7	15.5	9.88	5.45	
Color/tint		None/Amidate							
Odor		None							

Sample Data

Sample ID	Date	Time	# Containers	# Filtered	Remarks
MW 5R	3/11/21	1145	14	0	Notes in Purge Log

Sampler's Name (print):

Michael Clayton

Sampler Signature:

Michael Clayton

Groundwater Sampling Record

Facility: Mississippi County Landfill	Site ID: MW 6	Sampler: MCL
Project Number: R04355-2494-001	Date: 3/11/21	Sampler Organization: FTN Associates, Ltd.

Site Description

Weather: Cloudy		Air Temp (°F): 60		Wind: S @ 22	
Site type: ☒ Monitoring Well ☐ Extraction Well ☐ Production Well ☐ Borehole ☐ Dewatering Well ☐ Spring ☐ Other:		Well casing material: ☒ PVC ☐ Steel ☐ Iron ☐ Other:		Well diameter: inches 2 Total depth from TOC: feet TOC below/above ground: feet	
				Well locked? ☒ Yes ☐ No	
Damages/repairs needed:					

Water Level Data

Measuring point description: ☒ Mark/notch on TOC ☐ North rim of TOC ☐ Other:		Water level meter: ☐ Geotech/Keck 100' ☐ Geotech/Keck 200' ☐ Heron Dipper -T ☒ Solinst 101 ☐ Other:					
		Pre-purge initial	Pre-purge confirmation	During purging	Purge end	After sampling	Remarks
Date	mm/dd/yy	3/9/21	3/11/21				
Time	24-hour	1032	1220	1304	1328	1357	
Depth to Water	feet	13.23	13.21	13.21	13.22	13.22	
Product/ Thickness	LNAPL/DNAPL feet						

Field Data

Field data meters: ☒ YSI ProPlus ☒ Hach 2100P Turbidimeter ☐ YSI MPS 556 ☐ HF Scientific Turbidimeter ☐ Other: ☐ Other:		Pump description: ☒ Peristaltic ☐ Bladder (dedicated/portable) ☐ Submersible		Bailer description: ☐ Disposable polyethylene ☐ Disposable Teflon ☐ Disposable PVC										
Purge depth	feet	Well goes dry during purging: Yes ☒ No												
Casing vol.	gallons	= [total depth (feet) - depth to water (feet)] × [internal diameter of well (inches)] ² × 0.0408												
Time	24-hour	1230	1235	1240	1245	1250	1255	1300	1305	1310	1315	1320	1325	Remarks
Purge vol.	gallons													
Purge rate	mL/min	290	290	290	290	290	290	180	180	120	120	290	290	
pH	su	6.94	6.95	6.96	6.95	6.95	6.95	6.97	6.97	6.95	6.97	6.94	6.95	
Temp.	°C	19.7	19.6	19.8	19.8	19.8	19.8	20.0	20.0	19.8	20.1	19.8	19.8	
Sp. Cond.	µS/cm	769	766	763	759.5	759.3	759.3	759.3	759.3	759.1	759.0	758.9	758.9	
D.O.	mg/L	1.11	0.46	0.41	0.36	0.34	0.33	0.33	0.35	0.35	0.36	0.38	0.26	
ORP	mV	-65.6	-68.6	-72.7	-80.9	-91.7	-96.2	-98.9	-98.6	-97.3	-97.5	-96.5	-97.6	
Turbidity	NTU	280	119	65.7	45.0	26.6	29.4	20.9	19.8	14.2	19.3	12.5	7.60	
Color/tint		none / Anticlastic												
Odor		None												

Sample Data

Sample ID	Date	Time	# Containers	# Filtered	Remarks
MW 6	3/11/21	1330	14	0	

Sampler's Name (print):

Michael Clayton

Sampler Signature:

[Signature]

Groundwater Sampling Record

Facility: Mississippi County Landfill	Site ID: OB-2	Sampler: MCL
Project Number: R04355-2494-001	Date: 3/9/21	Sampler Organization: FTN Associates, Ltd.

Site Description

Weather: p/c		Air Temp (°F): 72		Wind: S @ 14	
Site type: ☒ Monitoring Well ☐ Extraction Well ☐ Production Well ☐ Borehole ☐ Dewatering Well ☐ Spring ☐ Other:		Well casing material: ☒ PVC ☐ Steel ☐ Iron ☐ Other:		Well diameter: inches 2 Total depth from TOC: feet TOC below/above ground: feet Well locked? ☒ Yes ☐ No	
Damages/repairs needed:					

Water Level Data

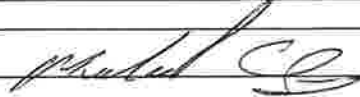
Measuring point description: ☒ Mark/notch on TOC ☐ North rim of TOC ☐ Other:		Water level meter: ☐ Geotech/Keck 100' ☐ Geotech/Keck 200' ☐ Heron Dipper -T ☒ Solinst 101 ☐ Other:					
		Pre-purge initial	Pre-purge confirmation	During purging	Purge end	After sampling	Remarks
Date	mm/dd/yy	3/9/21					
Time	24-hour	813	1300	1342	1418	1423	
Depth to Water	feet	7.17	7.13	7.13	7.13	7.13	
Product/ Thickness	LNAPL/DNAPL feet						

Field Data

Field data meters: ☐ YSI ProPlus ☒ YSI MPS 556 ☐ Other:		☒ Hach 2100P Turbidimeter ☐ HF Scientific Turbidimeter ☐ Other:		Pump description: ☒ Peristaltic ☐ Bladder (dedicated/portable) ☐ Submersible		Bailer description: ☐ Disposable polyethylene ☐ Disposable Teflon ☐ Disposable PVC								
Purge depth	feet	Well goes dry during purging: Yes ☒ No												
Casing vol.	gallons	= [total depth (feet) - depth to water (feet)] × [internal diameter of well (inches)] ² × 0.0408												
Time	24-hour	1315	1320	1325	1330	1335	1340	1345	1350	1355	1400	1405	1410	Remarks
Purge vol.	gallons													1415
Purge rate	mL/min	190	190	190	190	190	190	190	230	190	190	190	190	190
pH	su	6.39	6.47	6.56	6.62	6.67	6.71	6.72	6.64	6.69	6.74	6.81	6.80	6.83
Temp.	°C	16.92	17.52	17.66	17.94	17.82	17.72	17.49	17.10	17.69	17.98	18.21	18.19	18.17
Sp. Cond.	µS/cm	646	645	645	645	646	647	646	647	647	650	650	651	651
D.O.	mg/L	0.90	0.90	0.92	0.88	0.84	0.83	0.82	0.48	0.42	0.44	0.43	0.42	0.42
ORP	mV	13.7	-4.1	-5.6	-12.2	-10.0	-9.6	-7.0	-26.7	-28.2	-29.1	-32.4	-25.3	-23.9
Turbidity	NTU	9.88	8.98	8.21	26.1	10.7	8.28	9.34	7.93	5.28	6.25	4.25	3.60	3.52
Color/tint		Clear w/ particulate												
Odor		None												

Sample Data

Sample ID	Date	Time	# Containers	# Filtered	Remarks
OB-2	3/9/21	1420	6	0	

Sampler's Name (print): Michael Clayton	Sampler Signature: 

Groundwater Sampling Record

Facility: Mississippi County Landfill	Site ID: MW 11	Sampler: MLC
Project Number: R04355-2494-001	Date: 3/9/21	Sampler Organization: FTN Associates, Ltd.

Site Description

Weather: P/C		Air Temp (°F): 75		Wind: S @ 16	
Site type: ☒ Monitoring Well ☐ Extraction Well ☐ Production Well ☐ Borehole ☐ Dewatering Well ☐ Spring ☐ Other:		Well casing material: ☒ PVC ☐ Steel ☐ Iron ☐ Other:		Well diameter: inches 2 Total depth from TOC: feet TOC below/above ground: feet	
Damages/repairs needed:				Well locked? ☒ Yes ☐ No	

Water Level Data

Measuring point description: ☒ Mark/notch on TOC ☐ North rim of TOC ☐ Other:		Water level meter: ☐ Geotech/Keck 100' ☐ Geotech/Keck 200' ☐ Heron Dipper -T ☒ Solinst 101 ☐ Other:					
		Pre-purge initial	Pre-purge confirmation	During purging	Purge end	After sampling	Remarks
Date	mm/dd/yy	3/9/21	3/9/21				
Time	24-hour	939	1625	1703	1722		
Depth to Water	feet	6.87	6.80	6.80	6.80	6.80	
Product/ Thickness	LNAPL/DNAPL feet						

Field Data

Field data meters: ☐ YSI ProPlus ☒ YSI MPS 556 ☐ Other:		☒ Hach 2100P Turbidimeter ☐ HF Scientific Turbidimeter ☐ Other:		Pump description: ☒ Peristaltic ☐ Bladder (dedicated/portable) ☐ Submersible		Bailer description: ☐ Disposable polyethylene ☐ Disposable Teflon ☐ Disposable PVC						
Purge depth	feet	Well goes dry during purging: Yes ☒ No										
Casing vol.	gallons	= [total depth (feet) - depth to water (feet)] × [internal diameter of well (inches)] ² × 0.0408										
Time	24-hour	1635	1640	1645	1650	1655	1700	1705	1710	1715	1720	Remarks
Purge vol.	gallons											
Purge rate	mL/min	160	160	160	160	160	160	160	90	90		
pH	su	7.20	7.10	7.15	7.15	7.16	7.14	7.07	7.05	7.04	7.05	
Temp.	°C	16.35	17.24	17.38	17.32	17.20	17.24	17.11	17.18	17.38	17.49	
Sp. Cond.	µS/cm	500	503	507	508	510	511	513	513	514	516	
D.O.	mg/L	6.06	1.74	1.19	1.08	0.98	0.86	0.97	0.85	0.78	0.74	
ORP	mV	47.4	45.1	40.5	36.1	29.3	25.5	20.2	18.7	14.0	11.5	
Turbidity	NTU	3.89	24.5	19.9	16.0	15.1	13.6	12.4	12.1	10.3	9.49	
Color/tint		Clear	Cloudy	Clear								
Odor		None										

Sample Data

Sample ID	Date	Time	# Containers	# Filtered	Remarks
EB-2	3/9/21	1735	1	0	

Sampler's Name (print): Michael Chopin	Sampler Signature: Michael Chopin

Groundwater Sampling Record

PPES – ADEQ Sampling Program

Facility: <u>Plum Point Energy Station</u> <i>MISS CO</i>	Site ID: <u>MW11</u>	Sampler: <u>MLL</u>
Project Number: <u>R14590-2496-001</u>	Date: <u>4/19/21</u>	Sampler Organization: <u>FTN Associates, Ltd.</u>

Site Description

Weather: <u>Clear</u>	Air Temp (°F): <u>64</u>	Wind: <u>SO 12</u>			
Site type: ☒ Monitoring Well ☐ Extraction Well ☐ Production Well ☐ Borehole ☐ Dewatering Well ☐ Spring ☐ Other:	Well casing material: ☒ PVC ☐ Steel ☐ Iron ☐ Other:	Well diameter	inches	<u>2</u>	Well locked? ☒ Yes ☐ No
		Total depth from TOC	feet		
		TOC below/above ground	feet		
Damages/repairs needed:					

Water Level Data

Measuring point description: ☒ Mark/notch on TOC ☐ North rim of TOC ☐ Other:		Water level meter: ☐ Geotech/Keck 100' ☐ Geotech/Keck 200' ☐ Heron Dipper -T ☒ Solinst 101 ☐ Other:					
		Pre-purge initial	Pre-purge confirmation	During purging	Purge end	After sampling	Remarks
Date	mm/dd/yy	<u>4/19/21</u>					
Time	24-hour	<u>1410</u>	<u>1410</u>	<u>1434</u>	<u>1513</u>		
Depth to Water	feet	<u>5.28</u>	<u>5.28</u>	<u>5.30</u>	<u>5.30</u>	<u>5.30</u>	
Product/ Thickness	LNAPL/DNAPL feet						

Field Data

Field data meters: ☒ YSI ProPlus ☒ Hach 2100P Turbidimeter ☐ YSI MPS 556 ☐ HF Scientific Turbidimeter ☐ Other: ☐ Other:		Pump description: ☒ Peristaltic ☐ Bladder (dedicated/portable) ☐ Submersible		Bailer description: ☐ Disposable polyethylene ☐ Disposable Teflon ☐ Disposable PVC									
Purge depth	feet	Well goes dry during purging: Yes ☐ No ☒											
Casing vol.	gallons	= [total depth (feet) – depth to water (feet)] × [internal diameter of well (inches)] ² × 0.0408											
Time	24-hour	<u>1415</u>	<u>1420</u>	<u>1425</u>	<u>1430</u>	<u>1435</u>	<u>1440</u>	<u>1445</u>	<u>1450</u>	<u>1455</u>	<u>1500</u>	<u>1505</u>	Remarks
Purge vol.	gallons												
Purge rate	mL/min	<u>180</u>	<u>180</u>	<u>180</u>	<u>180</u>	<u>180</u>	<u>180</u>	<u>180</u>	<u>180</u>	<u>180</u>	<u>180</u>	<u>180</u>	
pH	su	<u>6.72</u>	<u>6.57</u>	<u>6.69</u>	<u>6.75</u>	<u>6.77</u>	<u>6.82</u>	<u>6.84</u>	<u>6.86</u>	<u>6.88</u>	<u>6.88</u>	<u>6.89</u>	
Temp.	°C	<u>17.2</u>	<u>17.3</u>	<u>17.3</u>	<u>17.1</u>	<u>17.3</u>	<u>17.1</u>	<u>17.2</u>	<u>17.3</u>	<u>17.4</u>	<u>17.2</u>	<u>17.4</u>	
Sp. Cond.	µS/cm	<u>589</u>	<u>578</u>	<u>654</u>	<u>544</u>	<u>538</u>	<u>529</u>	<u>521</u>	<u>514</u>	<u>509</u>	<u>506</u>	<u>503</u>	
D.O.	mg/L	<u>3.14</u>	<u>3.84</u>	<u>1.64</u>	<u>0.65</u>	<u>0.52</u>	<u>0.42</u>	<u>0.35</u>	<u>0.36</u>	<u>0.35</u>	<u>0.36</u>	<u>0.38</u>	
ORP	mV	<u>-93.8</u>	<u>-94.9</u>	<u>-101.0</u>	<u>-98.7</u>	<u>-95.6</u>	<u>-93.0</u>	<u>-90.3</u>	<u>-88.4</u>	<u>-88.7</u>	<u>-88.9</u>	<u>-91.6</u>	
Turbidity	NTU	<u>102</u>	<u>461</u>	<u>167</u>	<u>976</u>	<u>923</u>	<u>73.0</u>	<u>43.5</u>	<u>25.9</u>	<u>22.3</u>	<u>13.1</u>	<u>9.85</u>	
Color/tint		<u>None</u>											
Odor		<u>None</u>											

Sample Data

Sample ID	Date	Time	# Containers	# Filtered	Remarks
<u>De Q EA</u>	<u>4/15/21</u>	<u>1620</u>	<u>3</u>	<u>0</u>	

Sampler's Name (print): <u>Michael Clayton</u>	Sampler Signature: <u>[Signature]</u>

Groundwater Sampling Record

Facility: Mississippi County Landfill	Site ID: MW 24	Sampler: MCL
Project Number: R04355-2494-001	Date: 3/9/21	Sampler Organization: FTN Associates, Ltd.

Site Description

Weather: P/C		Air Temp (°F): 74		Wind: SW @ 17	
Site type: ☒ Monitoring Well ☐ Extraction Well ☐ Production Well ☐ Borehole ☐ Dewatering Well ☐ Spring ☐ Other:		Well casing material: ☒ PVC ☐ Steel ☐ Iron ☐ Other:		Well diameter: inches 2 Total depth from TOC: feet TOC below/above ground: feet Well locked? Yes No	
Damages/repairs needed:					

Water Level Data

Measuring point description: ☒ Mark/notch on TOC ☐ North rim of TOC ☐ Other:		Water level meter: ☐ Geotech/Keck 100' ☐ Geotech/Keck 200' ☐ Heron Dipper -T ☒ Solinst 101 ☐ Other:					
		Pre-purge initial	Pre-purge confirmation	During purging	Purge end	After sampling	Remarks
Date	mm/dd/yy	3/9/21					
Time	24-hour	734	1450	1537	1553	1604	
Depth to Water	feet	9.27	9.25	9.20	9.20	9.20	
Product/ Thickness	LNAPL/DNAPL feet						

Field Data

Field data meters: ☐ YSI ProPlus ☒ Hach 2100P Turbidimeter ☒ YSI MPS 556 ☐ HF Scientific Turbidimeter ☐ Other: ☐ Other:		Pump description: ☒ Peristaltic ☐ Bladder (dedicated/portable) ☐ Submersible		Bailer description: ☐ Disposable polyethylene ☐ Disposable Teflon ☐ Disposable PVC									
Purge depth	feet	Well goes dry during purging: Yes No											
Casing vol.	gallons	= [total depth (feet) – depth to water (feet)] × [internal diameter of well (inches)] ² × 0.0408											
Time	24-hour	1500	1505	1510	1515	1520	1525	1530	1535	1540	1545	1550	Remarks
Purge vol.	gallons												
Purge rate	mL/min	260	160	160	160	160	160	160	120	120	120	120	
pH	su	7.64	7.64	7.54	7.50	7.44	7.42	7.43	7.38	7.36	7.37	7.36	
Temp.	°C	18.28	18.39	18.44	18.03	18.10	18.13	18.14	18.30	18.71	18.86	18.92	
Sp. Cond.	µS/cm	569	572	572	571	572	571	571	569	570	570	570	
D.O.	mg/L	2.49	0.86	0.58	0.64	0.62	0.53	0.57	0.52	0.52	0.53	0.55	
ORP	mV	-59.3	-68.2	-49.7	-46.6	-48.1	-46.2	-44.4	-45.5	-53.0	-50.2	-51.3	
Turbidity	NTU	76.8	49.9	38.2	28.7	26.7	17.8	20.7	14.0	12.2	11.7	9.44	
Color/tint		Cloudy											
Odor		None											

Sample Data

Sample ID	Date	Time	# Containers	# Filtered	Remarks
MW 24	3/9/21	1555	2	0	
MW 24 Dup	3/9/21	1600	2	0	

Sampler's Name (print): Michael Clayton	Sampler Signature:

APPENDIX B

Laboratory Data

FTN Associates - Little Rock, AR

Sample Delivery Group: L1326688
Samples Received: 03/13/2021
Project Number: 04355-2495-001
Description: Mississippi County LF

Report To: Dana Derrington
3 Innwood Circle, Suite 220
Little Rock, AR 72211

Entire Report Reviewed By:



Mark W. Beasley
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

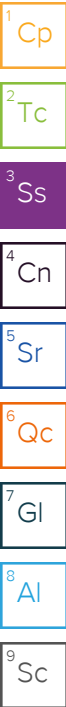
MW-1 L1326688-01 GW

Collected by
Michael Clayton

Collected date/time
03/11/21 17:55

Received date/time
03/13/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1635971	1	03/17/21 13:19	03/17/21 17:14	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1637066	1	03/19/21 03:35	03/19/21 17:17	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1636306	1	03/18/21 16:31	03/18/21 16:31	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1637436	1	03/20/21 02:07	03/20/21 02:07	GB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1637863	1	03/21/21 05:04	03/21/21 05:04	MJA	Mt. Juliet, TN
Mercury by Method 7470A	WG1635163	1	03/16/21 09:35	03/16/21 14:49	BMF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1636428	1	03/18/21 07:54	03/18/21 14:37	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637036	1	03/19/21 05:39	03/19/21 05:39	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637547	1	03/19/21 21:52	03/19/21 21:52	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1631259	1	03/16/21 12:30	03/17/21 02:20	AO	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1635501	1	03/17/21 06:07	03/17/21 16:31	SSH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1635501	1	03/17/21 06:07	03/18/21 06:30	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 04:46	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 14:47	SHG	Mt. Juliet, TN



MW-2 L1326688-02 GW

Collected by
Michael Clayton

Collected date/time
03/11/21 09:00

Received date/time
03/13/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1635971	1	03/17/21 13:19	03/17/21 17:14	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1637066	1	03/19/21 03:35	03/19/21 17:20	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1636306	1	03/18/21 16:31	03/18/21 16:31	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1637436	1	03/20/21 02:40	03/20/21 02:40	GB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1637863	1	03/21/21 06:11	03/21/21 06:11	MJA	Mt. Juliet, TN
Mercury by Method 7470A	WG1634673	1	03/16/21 09:31	03/16/21 15:26	BMF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1636428	1	03/18/21 07:54	03/18/21 14:41	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637036	1	03/19/21 06:00	03/19/21 06:00	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637547	1	03/19/21 22:13	03/19/21 22:13	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1631259	1	03/16/21 12:30	03/17/21 02:38	AO	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1635501	1	03/17/21 06:07	03/17/21 17:20	SSH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1635501	1	03/17/21 06:07	03/18/21 06:39	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 05:08	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 15:06	SHG	Mt. Juliet, TN

MW-3 L1326688-03 GW

Collected by
Michael Clayton

Collected date/time
03/11/21 16:00

Received date/time
03/13/21 09:00

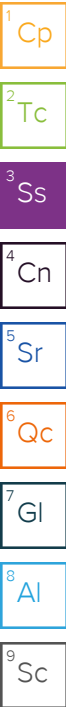
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1635971	1	03/17/21 13:19	03/17/21 17:14	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1637066	1	03/19/21 03:35	03/19/21 19:56	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1636306	1	03/18/21 16:31	03/18/21 16:31	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1637436	1	03/20/21 03:12	03/20/21 03:12	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1637436	5	03/20/21 03:29	03/20/21 03:29	GB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1637863	1	03/21/21 06:29	03/21/21 06:29	MJA	Mt. Juliet, TN
Mercury by Method 7470A	WG1634673	1	03/16/21 09:31	03/16/21 15:32	BMF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1636428	1	03/18/21 07:54	03/18/21 14:44	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637036	1	03/19/21 06:20	03/19/21 06:20	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637547	1	03/19/21 22:34	03/19/21 22:34	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1631259	1	03/16/21 12:30	03/17/21 02:55	AO	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1635501	1	03/17/21 06:07	03/17/21 17:33	SSH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1635501	1	03/17/21 06:07	03/18/21 06:47	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 05:30	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 15:26	SHG	Mt. Juliet, TN

SAMPLE SUMMARY

MW-4R2 L1326688-04 GW

Collected by Michael Clayton
Collected date/time 03/11/21 10:20
Received date/time 03/13/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1635971	1	03/17/21 13:19	03/17/21 17:14	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1637066	1	03/19/21 03:35	03/19/21 17:25	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1636306	1	03/18/21 16:31	03/18/21 16:31	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1637436	1	03/20/21 04:18	03/20/21 04:18	GB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1637863	1	03/21/21 06:46	03/21/21 06:46	MJA	Mt. Juliet, TN
Mercury by Method 7470A	WG1634673	1	03/16/21 09:31	03/16/21 15:34	BMF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1636428	1	03/18/21 07:54	03/18/21 14:47	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637036	1	03/19/21 06:40	03/19/21 06:40	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637547	1	03/19/21 22:55	03/19/21 22:55	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1631259	1	03/16/21 12:30	03/17/21 03:13	AO	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1635501	1	03/17/21 06:07	03/17/21 17:45	SSH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1635501	1	03/17/21 06:07	03/18/21 06:56	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 05:51	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 15:46	SHG	Mt. Juliet, TN



MW-5R L1326688-05 GW

Collected by Michael Clayton
Collected date/time 03/11/21 11:45
Received date/time 03/13/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1635971	1	03/17/21 13:19	03/17/21 17:14	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1637066	1	03/19/21 03:35	03/19/21 17:26	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1636306	1	03/18/21 16:32	03/18/21 16:32	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1637436	1	03/20/21 04:51	03/20/21 04:51	GB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1638469	1	03/22/21 17:25	03/22/21 17:25	MJA	Mt. Juliet, TN
Mercury by Method 7470A	WG1634673	1	03/16/21 09:31	03/16/21 15:36	BMF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1636428	1	03/18/21 07:54	03/18/21 14:51	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637036	1	03/19/21 07:00	03/19/21 07:00	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637547	1	03/19/21 23:15	03/19/21 23:15	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1631259	1	03/16/21 12:30	03/17/21 03:31	AO	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1635501	1	03/17/21 06:07	03/17/21 17:58	SSH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1635501	1	03/17/21 06:07	03/18/21 07:05	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 06:13	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 16:05	SHG	Mt. Juliet, TN

MW-6 L1326688-06 GW

Collected by Michael Clayton
Collected date/time 03/11/21 13:30
Received date/time 03/13/21 09:00

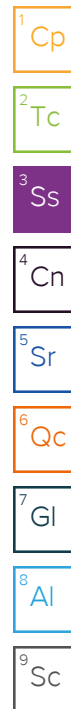
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1636001	1	03/18/21 10:03	03/18/21 16:17	VRP	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1637066	1	03/19/21 03:35	03/19/21 17:28	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1636306	1	03/18/21 16:33	03/18/21 16:33	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1637436	1	03/20/21 05:07	03/20/21 05:07	GB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1638469	1	03/22/21 18:10	03/22/21 18:10	MJA	Mt. Juliet, TN
Mercury by Method 7470A	WG1634673	1	03/16/21 09:31	03/16/21 15:38	BMF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1636428	1	03/18/21 07:54	03/18/21 14:54	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637036	1	03/19/21 07:21	03/19/21 07:21	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637547	1	03/19/21 23:36	03/19/21 23:36	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1631259	1	03/16/21 12:30	03/17/21 03:48	AO	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1635501	1	03/17/21 06:07	03/17/21 18:10	SSH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1635501	1	03/17/21 06:07	03/18/21 07:14	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 06:35	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 16:25	SHG	Mt. Juliet, TN

SAMPLE SUMMARY

MW-3 DUP L1326688-07 GW

Collected by Michael Clayton
Collected date/time 03/11/21 16:05
Received date/time 03/13/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1636001	1	03/18/21 10:03	03/18/21 16:17	VRP	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1637066	1	03/19/21 03:35	03/19/21 17:29	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1636306	1	03/18/21 16:33	03/18/21 16:33	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1637436	1	03/20/21 05:24	03/20/21 05:24	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1637436	5	03/20/21 15:03	03/20/21 15:03	GB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1638469	1	03/22/21 18:36	03/22/21 18:36	MJA	Mt. Juliet, TN
Mercury by Method 7470A	WG1634673	1	03/16/21 09:31	03/16/21 15:40	BMF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1636428	1	03/18/21 07:54	03/18/21 15:44	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637036	1	03/19/21 07:41	03/19/21 07:41	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637547	1	03/19/21 23:57	03/19/21 23:57	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1631259	1	03/16/21 12:30	03/17/21 04:06	AO	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1635501	1	03/17/21 06:07	03/17/21 18:22	SSH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1635501	1	03/17/21 06:07	03/18/21 07:22	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 06:56	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 16:45	SHG	Mt. Juliet, TN



EB-1 L1326688-08 GW

Collected by Michael Clayton
Collected date/time 03/11/21 18:10
Received date/time 03/13/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1636001	1	03/18/21 10:03	03/18/21 16:17	VRP	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1637066	1	03/19/21 03:35	03/19/21 17:30	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1636306	1	03/18/21 16:33	03/18/21 16:33	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1637436	1	03/20/21 05:40	03/20/21 05:40	GB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1638469	1	03/22/21 18:49	03/22/21 18:49	MJA	Mt. Juliet, TN
Mercury by Method 7470A	WG1634673	1	03/16/21 09:31	03/16/21 15:42	BMF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1636428	1	03/18/21 07:54	03/18/21 15:47	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637036	1	03/19/21 03:58	03/19/21 03:58	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637547	1	03/20/21 00:18	03/20/21 00:18	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1631259	1	03/16/21 12:30	03/17/21 04:23	AO	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1635501	1	03/17/21 06:07	03/17/21 18:35	SSH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1635501	1	03/17/21 06:07	03/18/21 07:31	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 07:18	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1635417	1	03/16/21 23:33	03/18/21 17:05	SHG	Mt. Juliet, TN

TRIP BLANK L1326688-09 GW

Collected by Michael Clayton
Collected date/time 03/11/21 00:00
Received date/time 03/13/21 09:00

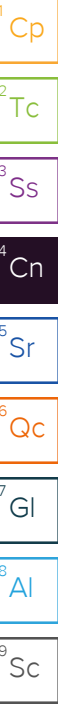
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637036	1	03/19/21 04:18	03/19/21 04:18	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637547	1	03/19/21 20:29	03/19/21 20:29	TJJ	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Mark W. Beasley
Project Manager



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	548000		10000	1	03/17/2021 17:14	WG1635971

Wet Chemistry by Method 4500CN E-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Cyanide	U		1.80	5.00	1	03/19/2021 17:17	WG1637066

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	03/18/2021 16:31	WG1636306

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	55300		379	1000	1	03/20/2021 02:07	WG1637436
Sulfate	37500		594	5000	1	03/20/2021 02:07	WG1637436

Wet Chemistry by Method 9060A

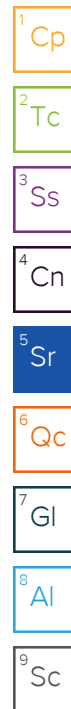
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	4220		102	1000	1	03/21/2021 05:04	WG1637863

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	U		0.100	0.200	1	03/16/2021 14:49	WG1635163

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		1.03	4.00	1	03/18/2021 14:37	WG1636428
Arsenic	96.2		0.180	2.00	1	03/18/2021 14:37	WG1636428
Barium	453		0.381	20.0	1	03/18/2021 14:37	WG1636428
Beryllium	U		0.190	2.00	1	03/18/2021 14:37	WG1636428
Cadmium	U		0.150	1.00	1	03/18/2021 14:37	WG1636428
Chromium	U		1.24	2.00	1	03/18/2021 14:37	WG1636428
Copper	U		1.51	5.00	1	03/18/2021 14:37	WG1636428
Cobalt	0.278	J	0.0596	2.00	1	03/18/2021 14:37	WG1636428
Iron	14100		28.1	100	1	03/18/2021 14:37	WG1636428
Lead	U		0.849	2.00	1	03/18/2021 14:37	WG1636428
Manganese	3050		0.704	5.00	1	03/18/2021 14:37	WG1636428
Nickel	4.08		0.816	2.00	1	03/18/2021 14:37	WG1636428
Selenium	U		0.300	2.00	1	03/18/2021 14:37	WG1636428
Silver	U		0.0700	2.00	1	03/18/2021 14:37	WG1636428
Thallium	U		0.121	2.00	1	03/18/2021 14:37	WG1636428
Tin	U		0.655	2.00	1	03/18/2021 14:37	WG1636428
Vanadium	U		0.664	5.00	1	03/18/2021 14:37	WG1636428
Zinc	9.88	B J	3.02	25.0	1	03/18/2021 14:37	WG1636428



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	03/19/2021 05:39	WG1637036
Acrolein	U		2.54	50.0	1	03/19/2021 21:52	WG1637547
Acrylonitrile	U		0.671	10.0	1	03/19/2021 05:39	WG1637036
Benzene	U		0.0941	1.00	1	03/19/2021 05:39	WG1637036
Bromodichloromethane	U		0.136	1.00	1	03/19/2021 05:39	WG1637036
Bromochloromethane	U		0.128	1.00	1	03/19/2021 05:39	WG1637036
Bromoform	U		0.129	1.00	1	03/19/2021 05:39	WG1637036
Bromomethane	U		0.605	5.00	1	03/19/2021 05:39	WG1637036
Carbon disulfide	U		0.0962	1.00	1	03/19/2021 05:39	WG1637036
Carbon tetrachloride	U		0.128	1.00	1	03/19/2021 05:39	WG1637036
Chlorobenzene	U		0.116	1.00	1	03/19/2021 05:39	WG1637036
Chlorodibromomethane	U		0.140	1.00	1	03/19/2021 05:39	WG1637036
Chloroethane	U		0.192	5.00	1	03/19/2021 05:39	WG1637036
Chloroform	U		0.111	5.00	1	03/19/2021 05:39	WG1637036
Chloromethane	U		0.960	2.50	1	03/19/2021 05:39	WG1637036
1,2-Dibromoethane	U		0.126	1.00	1	03/19/2021 05:39	WG1637036
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/19/2021 05:39	WG1637036
Dibromomethane	U		0.122	1.00	1	03/19/2021 05:39	WG1637036
1,2-Dichlorobenzene	U		0.107	1.00	1	03/19/2021 05:39	WG1637036
1,3-Dichlorobenzene	U		0.110	1.00	1	03/19/2021 05:39	WG1637036
1,4-Dichlorobenzene	U		0.120	1.00	1	03/19/2021 05:39	WG1637036
Dichlorodifluoromethane	U		0.374	5.00	1	03/19/2021 05:39	WG1637036
1,1-Dichloroethane	U		0.100	1.00	1	03/19/2021 05:39	WG1637036
1,2-Dichloroethane	U		0.0819	1.00	1	03/19/2021 05:39	WG1637036
1,1-Dichloroethene	U		0.188	1.00	1	03/19/2021 05:39	WG1637036
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/19/2021 05:39	WG1637036
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/19/2021 05:39	WG1637036
1,2-Dichloropropane	U		0.149	1.00	1	03/19/2021 05:39	WG1637036
1,3-Dichloropropane	U		0.110	1.00	1	03/19/2021 05:39	WG1637036
2,2-Dichloropropane	U		0.161	1.00	1	03/19/2021 05:39	WG1637036
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/19/2021 05:39	WG1637036
trans-1,3-Dichloropropene	U	J4	0.118	1.00	1	03/19/2021 05:39	WG1637036
1,1-Dichloropropene	U		0.142	1.00	1	03/19/2021 05:39	WG1637036
Ethylbenzene	U		0.137	1.00	1	03/19/2021 05:39	WG1637036
2-Hexanone	U		0.787	10.0	1	03/19/2021 05:39	WG1637036
Iodomethane	U		6.00	10.0	1	03/19/2021 05:39	WG1637036
2-Butanone (MEK)	U		1.19	10.0	1	03/19/2021 05:39	WG1637036
Methylene Chloride	U		0.430	5.00	1	03/19/2021 05:39	WG1637036
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/19/2021 05:39	WG1637036
Styrene	U		0.118	1.00	1	03/19/2021 05:39	WG1637036
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/19/2021 05:39	WG1637036
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/19/2021 05:39	WG1637036
Tetrachloroethene	U		0.300	1.00	1	03/19/2021 05:39	WG1637036
Toluene	U		0.278	1.00	1	03/19/2021 05:39	WG1637036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/19/2021 05:39	WG1637036
1,1,1-Trichloroethane	U		0.149	1.00	1	03/19/2021 05:39	WG1637036
1,1,2-Trichloroethane	U		0.158	1.00	1	03/19/2021 05:39	WG1637036
Trichloroethene	U		0.190	1.00	1	03/19/2021 05:39	WG1637036
Trichlorofluoromethane	U		0.160	5.00	1	03/19/2021 05:39	WG1637036
1,2,3-Trichloropropane	U		0.237	2.50	1	03/19/2021 05:39	WG1637036
Vinyl acetate	U		0.692	10.0	1	03/19/2021 05:39	WG1637036
Vinyl chloride	U		0.234	1.00	1	03/19/2021 05:39	WG1637036
Xylenes, Total	U		0.174	3.00	1	03/19/2021 05:39	WG1637036
Acetonitrile	U		24.0	50.0	1	03/19/2021 05:39	WG1637036
Allyl chloride	U		0.500	5.00	1	03/19/2021 05:39	WG1637036
Chloroprene	U		1.45	50.0	1	03/19/2021 05:39	WG1637036

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/19/2021 05:39	WG1637036
Ethyl methacrylate	U		1.48	5.00	1	03/19/2021 05:39	WG1637036
Isobutanol	U		42.1	100	1	03/19/2021 05:39	WG1637036
Methacrylonitrile	U		14.2	50.0	1	03/19/2021 05:39	WG1637036
Methyl methacrylate	U		1.52	5.00	1	03/19/2021 05:39	WG1637036
Propionitrile	U		16.2	50.0	1	03/19/2021 05:39	WG1637036
(S) Toluene-d8	106			80.0-120		03/19/2021 05:39	WG1637036
(S) Toluene-d8	101			80.0-120		03/19/2021 21:52	WG1637547
(S) 4-Bromofluorobenzene	106			77.0-126		03/19/2021 05:39	WG1637036
(S) 4-Bromofluorobenzene	102			77.0-126		03/19/2021 21:52	WG1637547
(S) 1,2-Dichloroethane-d4	111			70.0-130		03/19/2021 05:39	WG1637036
(S) 1,2-Dichloroethane-d4	116			70.0-130		03/19/2021 21:52	WG1637547

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,4-D	U		1.00	2.00	1	03/17/2021 02:20	WG1631259
2,4,5-T	U		0.573	2.00	1	03/17/2021 02:20	WG1631259
2,4,5-TP (Silvex)	U		0.807	2.00	1	03/17/2021 02:20	WG1631259
(S) 2,4-DB-D3	109			70.0-130		03/17/2021 02:20	WG1631259

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Aldrin	U		0.0198	0.0500	1	03/17/2021 16:31	WG1635501
Alpha BHC	U		0.0172	0.0500	1	03/17/2021 16:31	WG1635501
Beta BHC	U		0.0208	0.0500	1	03/17/2021 16:31	WG1635501
Delta BHC	U		0.0150	0.0500	1	03/17/2021 16:31	WG1635501
Gamma BHC	U		0.0209	0.0500	1	03/17/2021 16:31	WG1635501
Chlordane	U		0.0198	5.00	1	03/17/2021 16:31	WG1635501
4,4-DDD	U		0.0177	0.0500	1	03/17/2021 16:31	WG1635501
4,4-DDE	U		0.0154	0.0500	1	03/17/2021 16:31	WG1635501
4,4-DDT	U		0.0198	0.0500	1	03/17/2021 16:31	WG1635501
Dieldrin	U		0.0162	0.0500	1	03/17/2021 16:31	WG1635501
Endosulfan I	U		0.0160	0.0500	1	03/17/2021 16:31	WG1635501
Endosulfan II	U		0.0164	0.0500	1	03/17/2021 16:31	WG1635501
Endosulfan sulfate	U		0.0217	0.0500	1	03/17/2021 16:31	WG1635501
Endrin	U		0.0161	0.0500	1	03/17/2021 16:31	WG1635501
Endrin aldehyde	U		0.0237	0.0500	1	03/17/2021 16:31	WG1635501
Endrin ketone	U		0.0219	0.0500	1	03/17/2021 16:31	WG1635501
Heptachlor	U		0.0148	0.0500	1	03/17/2021 16:31	WG1635501
Heptachlor epoxide	U		0.0183	0.0500	1	03/17/2021 16:31	WG1635501
Hexachlorobenzene	U		0.0176	0.0500	1	03/17/2021 16:31	WG1635501
Methoxychlor	U		0.0193	0.0500	1	03/17/2021 16:31	WG1635501
Toxaphene	U		0.168	0.500	1	03/17/2021 16:31	WG1635501
(S) Decachlorobiphenyl	66.0			10.0-128		03/17/2021 16:31	WG1635501
(S) Tetrachloro-m-xylene	51.7			10.0-127		03/17/2021 16:31	WG1635501

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.270	0.500	1	03/18/2021 06:30	WG1635501
PCB 1221	U		0.270	0.500	1	03/18/2021 06:30	WG1635501
PCB 1232	U		0.270	0.500	1	03/18/2021 06:30	WG1635501
PCB 1242	U		0.270	0.500	1	03/18/2021 06:30	WG1635501

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1248	U		0.173	0.500	1	03/18/2021 06:30	WG1635501
PCB 1254	U		0.173	0.500	1	03/18/2021 06:30	WG1635501
PCB 1260	U		0.173	0.500	1	03/18/2021 06:30	WG1635501
(S) Decachlorobiphenyl	55.8			10.0-128		03/18/2021 06:30	WG1635501
(S) Tetrachloro-m-xylene	79.9			10.0-127		03/18/2021 06:30	WG1635501

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0886	1.00	1	03/18/2021 04:46	WG1635417
Acenaphthylene	U		0.0921	1.00	1	03/18/2021 04:46	WG1635417
Anthracene	U		0.0804	1.00	1	03/18/2021 04:46	WG1635417
Benzo(a)anthracene	U		0.199	1.00	1	03/18/2021 04:46	WG1635417
Benzo(b)fluoranthene	U		0.130	1.00	1	03/18/2021 04:46	WG1635417
Benzo(k)fluoranthene	U		0.120	1.00	1	03/18/2021 04:46	WG1635417
Benzo(g,h,i)perylene	U		0.121	1.00	1	03/18/2021 04:46	WG1635417
Benzo(a)pyrene	U		0.0381	1.00	1	03/18/2021 04:46	WG1635417
Benzyl alcohol	U		0.563	10.0	1	03/18/2021 04:46	WG1635417
Bis(2-chlorethoxy)methane	U		0.116	10.0	1	03/18/2021 04:46	WG1635417
Bis(2-chloroethyl)ether	U		0.137	10.0	1	03/18/2021 04:46	WG1635417
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0	1	03/18/2021 04:46	WG1635417
4-Bromophenyl-phenylether	U		0.0877	10.0	1	03/18/2021 04:46	WG1635417
4-Chloroaniline	U		0.234	10.0	1	03/18/2021 04:46	WG1635417
2-Chloronaphthalene	U		0.0648	1.00	1	03/18/2021 04:46	WG1635417
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	03/18/2021 04:46	WG1635417
Chrysene	U		0.130	1.00	1	03/18/2021 04:46	WG1635417
Dibenz(a,h)anthracene	U		0.0644	1.00	1	03/18/2021 04:46	WG1635417
Dibenzofuran	U		0.0970	10.0	1	03/18/2021 04:46	WG1635417
3,3-Dichlorobenzidine	U		0.212	10.0	1	03/18/2021 04:46	WG1635417
2,4-Dinitrotoluene	U		0.0983	10.0	1	03/18/2021 04:46	WG1635417
2,6-Dinitrotoluene	U		0.250	10.0	1	03/18/2021 04:46	WG1635417
Fluoranthene	U		0.102	1.00	1	03/18/2021 04:46	WG1635417
Fluorene	U		0.0844	1.00	1	03/18/2021 04:46	WG1635417
Hexachlorobenzene	U		0.0755	1.00	1	03/18/2021 04:46	WG1635417
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	03/18/2021 04:46	WG1635417
Hexachlorocyclopentadiene	U		0.0598	10.0	1	03/18/2021 04:46	WG1635417
Hexachloroethane	U		0.127	10.0	1	03/18/2021 04:46	WG1635417
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	03/18/2021 04:46	WG1635417
Isophorone	U		0.143	10.0	1	03/18/2021 04:46	WG1635417
2-Methylnaphthalene	U		0.117	1.00	1	03/18/2021 04:46	WG1635417
Naphthalene	U		0.159	1.00	1	03/18/2021 04:46	WG1635417
2-Nitroaniline	U		0.102	10.0	1	03/18/2021 04:46	WG1635417
3-Nitroaniline	U		0.0869	10.0	1	03/18/2021 04:46	WG1635417
4-Nitroaniline	U		0.0910	10.0	1	03/18/2021 04:46	WG1635417
Nitrobenzene	U		0.297	10.0	1	03/18/2021 04:46	WG1635417
n-Nitrosodiphenylamine	U		2.37	10.0	1	03/18/2021 04:46	WG1635417
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	03/18/2021 04:46	WG1635417
Phenanthrene	U		0.112	1.00	1	03/18/2021 04:46	WG1635417
Benzylbutyl phthalate	U		0.765	3.00	1	03/18/2021 04:46	WG1635417
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	03/18/2021 04:46	WG1635417
Di-n-butyl phthalate	U		0.453	3.00	1	03/18/2021 04:46	WG1635417
Diethyl phthalate	U		0.287	3.00	1	03/18/2021 04:46	WG1635417
Dimethyl phthalate	U		0.260	3.00	1	03/18/2021 04:46	WG1635417
Di-n-octyl phthalate	U		0.932	3.00	1	03/18/2021 04:46	WG1635417
Pyrene	U		0.107	1.00	1	03/18/2021 04:46	WG1635417
1,2,4-Trichlorobenzene	U		0.0698	10.0	1	03/18/2021 04:46	WG1635417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.131	10.0	1	03/18/2021 04:46	WG1635417
2-Chlorophenol	U		0.133	10.0	1	03/18/2021 04:46	WG1635417
2-Methylphenol	U		0.0929	10.0	1	03/18/2021 04:46	WG1635417
3&4-Methyl Phenol	U		0.168	10.0	1	03/18/2021 04:46	WG1635417
2,4-Dichlorophenol	U		0.102	10.0	1	03/18/2021 04:46	WG1635417
2,4-Dimethylphenol	U		0.0636	10.0	1	03/18/2021 04:46	WG1635417
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	03/18/2021 04:46	WG1635417
2,4-Dinitrophenol	U		5.93	10.0	1	03/18/2021 04:46	WG1635417
2-Nitrophenol	U		0.117	10.0	1	03/18/2021 04:46	WG1635417
4-Nitrophenol	U		0.143	10.0	1	03/18/2021 04:46	WG1635417
Pentachlorophenol	U		0.313	10.0	1	03/18/2021 04:46	WG1635417
Phenol	U		4.33	10.0	1	03/18/2021 04:46	WG1635417
2,4,5-Trichlorophenol	U		0.109	10.0	1	03/18/2021 04:46	WG1635417
2,4,6-Trichlorophenol	U		0.100	10.0	1	03/18/2021 04:46	WG1635417
Acetophenone	U	J4	0.208	10.0	1	03/18/2021 04:46	WG1635417
2-Acetylaminofluorene	U		0.253	10.0	1	03/18/2021 14:47	WG1635417
4-Aminobiphenyl	U		0.461	10.0	1	03/18/2021 14:47	WG1635417
Chlorobenzilate	U		3.84	50.0	1	03/18/2021 14:47	WG1635417
Diallate	U		0.524	10.0	1	03/18/2021 14:47	WG1635417
Dinoseb	U		8.01	50.0	1	03/18/2021 14:47	WG1635417
Ethyl methanesulfonate	U		0.326	10.0	1	03/18/2021 14:47	WG1635417
Famphur	U		3.92	20.0	1	03/18/2021 14:47	WG1635417
Hexachloropropene	U		0.149	50.0	1	03/18/2021 14:47	WG1635417
Isodrin	U		4.11	10.0	1	03/18/2021 14:47	WG1635417
Isosafrole	U		3.88	10.0	1	03/18/2021 14:47	WG1635417
Kepone	U		2.66	20.0	1	03/18/2021 14:47	WG1635417
Methapyrilene	U		10.0	50.0	1	03/18/2021 14:47	WG1635417
3-Methylcholanthrene	U		0.164	10.0	1	03/18/2021 14:47	WG1635417
Methyl methanesulfonate	U		3.40	50.0	1	03/18/2021 14:47	WG1635417
Methyl parathion	U		0.213	10.0	1	03/18/2021 14:47	WG1635417
1,4-Naphthoquinone	U	J4	5.56	50.0	1	03/18/2021 14:47	WG1635417
1-Naphthylamine	U		0.289	10.0	1	03/18/2021 14:47	WG1635417
2-Naphthylamine	U		4.48	10.0	1	03/18/2021 14:47	WG1635417
n-Nitrosodi-n-butylamine	U		3.91	10.0	1	03/18/2021 14:47	WG1635417
n-Nitrosodiethylamine	U		3.57	10.0	1	03/18/2021 14:47	WG1635417
n-Nitrosodimethylamine	U		0.998	10.0	1	03/18/2021 04:46	WG1635417
n-Nitrosomethylethylamine	U		3.25	10.0	1	03/18/2021 14:47	WG1635417
N-Nitrosomorpholine	U		3.25	10.0	1	03/18/2021 14:47	WG1635417
n-Nitrosopiperidine	U		3.72	10.0	1	03/18/2021 14:47	WG1635417
n-Nitrosopyrrolidine	U		3.39	10.0	1	03/18/2021 14:47	WG1635417
5-Nitro-o-toluidine	U		1.99	10.0	1	03/18/2021 14:47	WG1635417
Ethyl Parathion	U		0.379	10.0	1	03/18/2021 14:47	WG1635417
Pentachlorobenzene	U		4.15	10.0	1	03/18/2021 14:47	WG1635417
Pentachloronitrobenzene	U		4.15	10.0	1	03/18/2021 14:47	WG1635417
Phenacetin	U		4.66	10.0	1	03/18/2021 14:47	WG1635417
p-Phenylenediamine	U	J4	387	6900	1	03/18/2021 14:47	WG1635417
Phorate	U		4.86	50.0	1	03/18/2021 14:47	WG1635417
Pronamide	U		4.21	10.0	1	03/18/2021 14:47	WG1635417
Dimethoate	U		5.05	50.0	1	03/18/2021 14:47	WG1635417
P-(Dimethylamino) Azobenzene	U		3.69	10.0	1	03/18/2021 14:47	WG1635417
Dimethylbenz (A) Anthracene	U		1.71	10.0	1	03/18/2021 14:47	WG1635417
3,3-Dimethylbenzidine	U		3.39	10.0	1	03/18/2021 14:47	WG1635417
1,3-Dinitrobenzene	U		0.359	10.0	1	03/18/2021 14:47	WG1635417
Diphenylamine	U		2.37	10.0	1	03/18/2021 04:46	WG1635417
Disulfoton	U		0.267	10.0	1	03/18/2021 14:47	WG1635417
Safrole	U		3.68	10.0	1	03/18/2021 14:47	WG1635417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Thionazin	U		4.07	10.0	1	03/18/2021 14:47	WG1635417
o-Toluidine	U		3.53	10.0	1	03/18/2021 14:47	WG1635417
O,O,O-Triethyl phosphorothioate	U		2.93	10.0	1	03/18/2021 14:47	WG1635417
1,3,5-Trinitrobenzene	U		1.32	10.0	1	03/18/2021 14:47	WG1635417
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	03/18/2021 04:46	WG1635417
2,6-Dichlorophenol	U		0.102	10.0	1	03/18/2021 14:47	WG1635417
2,3,4,6-Tetrachlorophenol	U		0.231	10.0	1	03/18/2021 04:46	WG1635417
(S) 2-Fluorophenol	47.9			10.0-120		03/18/2021 04:46	WG1635417
(S) Phenol-d5	32.0			10.0-120		03/18/2021 04:46	WG1635417
(S) Nitrobenzene-d5	73.8			10.0-127		03/18/2021 04:46	WG1635417
(S) 2-Fluorobiphenyl	91.4			10.0-130		03/18/2021 04:46	WG1635417
(S) 2,4,6-Tribromophenol	90.9			10.0-155		03/18/2021 04:46	WG1635417
(S) p-Terphenyl-d14	93.5			10.0-128		03/18/2021 04:46	WG1635417

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	560000		10000	1	03/17/2021 17:14	WG1635971

Wet Chemistry by Method 4500CN E-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Cyanide	U		1.80	5.00	1	03/19/2021 17:20	WG1637066

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	03/18/2021 16:31	WG1636306

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	14000		379	1000	1	03/20/2021 02:40	WG1637436
Sulfate	88700		594	5000	1	03/20/2021 02:40	WG1637436

Wet Chemistry by Method 9060A

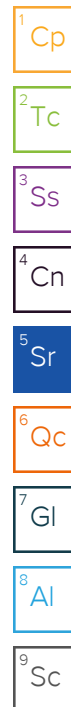
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	3070	B	102	1000	1	03/21/2021 06:11	WG1637863

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	U		0.100	0.200	1	03/16/2021 15:26	WG1634673

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		1.03	4.00	1	03/18/2021 14:41	WG1636428
Arsenic	1.30	J	0.180	2.00	1	03/18/2021 14:41	WG1636428
Barium	133		0.381	20.0	1	03/18/2021 14:41	WG1636428
Beryllium	U		0.190	2.00	1	03/18/2021 14:41	WG1636428
Cadmium	U		0.150	1.00	1	03/18/2021 14:41	WG1636428
Chromium	U		1.24	2.00	1	03/18/2021 14:41	WG1636428
Copper	2.12	J	1.51	5.00	1	03/18/2021 14:41	WG1636428
Cobalt	U		0.0596	2.00	1	03/18/2021 14:41	WG1636428
Iron	156		28.1	100	1	03/18/2021 14:41	WG1636428
Lead	U		0.849	2.00	1	03/18/2021 14:41	WG1636428
Manganese	76.5		0.704	5.00	1	03/18/2021 14:41	WG1636428
Nickel	U		0.816	2.00	1	03/18/2021 14:41	WG1636428
Selenium	0.498	J	0.300	2.00	1	03/18/2021 14:41	WG1636428
Silver	U		0.0700	2.00	1	03/18/2021 14:41	WG1636428
Thallium	U		0.121	2.00	1	03/18/2021 14:41	WG1636428
Tin	U		0.655	2.00	1	03/18/2021 14:41	WG1636428
Vanadium	1.53	J	0.664	5.00	1	03/18/2021 14:41	WG1636428
Zinc	5.08	B J	3.02	25.0	1	03/18/2021 14:41	WG1636428



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	03/19/2021 06:00	WG1637036
Acrolein	U		2.54	50.0	1	03/19/2021 22:13	WG1637547
Acrylonitrile	U		0.671	10.0	1	03/19/2021 06:00	WG1637036
Benzene	U		0.0941	1.00	1	03/19/2021 06:00	WG1637036
Bromodichloromethane	U		0.136	1.00	1	03/19/2021 06:00	WG1637036
Bromochloromethane	U		0.128	1.00	1	03/19/2021 06:00	WG1637036
Bromoform	U		0.129	1.00	1	03/19/2021 06:00	WG1637036
Bromomethane	U		0.605	5.00	1	03/19/2021 06:00	WG1637036
Carbon disulfide	U		0.0962	1.00	1	03/19/2021 06:00	WG1637036
Carbon tetrachloride	U		0.128	1.00	1	03/19/2021 06:00	WG1637036
Chlorobenzene	U		0.116	1.00	1	03/19/2021 06:00	WG1637036
Chlorodibromomethane	U		0.140	1.00	1	03/19/2021 06:00	WG1637036
Chloroethane	U		0.192	5.00	1	03/19/2021 06:00	WG1637036
Chloroform	U		0.111	5.00	1	03/19/2021 06:00	WG1637036
Chloromethane	U		0.960	2.50	1	03/19/2021 06:00	WG1637036
1,2-Dibromoethane	U		0.126	1.00	1	03/19/2021 06:00	WG1637036
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/19/2021 06:00	WG1637036
Dibromomethane	U		0.122	1.00	1	03/19/2021 06:00	WG1637036
1,2-Dichlorobenzene	U		0.107	1.00	1	03/19/2021 06:00	WG1637036
1,3-Dichlorobenzene	U		0.110	1.00	1	03/19/2021 06:00	WG1637036
1,4-Dichlorobenzene	U		0.120	1.00	1	03/19/2021 06:00	WG1637036
Dichlorodifluoromethane	U		0.374	5.00	1	03/19/2021 06:00	WG1637036
1,1-Dichloroethane	U		0.100	1.00	1	03/19/2021 06:00	WG1637036
1,2-Dichloroethane	U		0.0819	1.00	1	03/19/2021 06:00	WG1637036
1,1-Dichloroethene	U		0.188	1.00	1	03/19/2021 06:00	WG1637036
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/19/2021 06:00	WG1637036
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/19/2021 06:00	WG1637036
1,2-Dichloropropane	U		0.149	1.00	1	03/19/2021 06:00	WG1637036
1,3-Dichloropropane	U		0.110	1.00	1	03/19/2021 06:00	WG1637036
2,2-Dichloropropane	U		0.161	1.00	1	03/19/2021 06:00	WG1637036
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/19/2021 06:00	WG1637036
trans-1,3-Dichloropropene	U	J4	0.118	1.00	1	03/19/2021 06:00	WG1637036
1,1-Dichloropropene	U		0.142	1.00	1	03/19/2021 06:00	WG1637036
Ethylbenzene	U		0.137	1.00	1	03/19/2021 06:00	WG1637036
2-Hexanone	U		0.787	10.0	1	03/19/2021 06:00	WG1637036
Iodomethane	U		6.00	10.0	1	03/19/2021 06:00	WG1637036
2-Butanone (MEK)	U		1.19	10.0	1	03/19/2021 06:00	WG1637036
Methylene Chloride	U		0.430	5.00	1	03/19/2021 06:00	WG1637036
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/19/2021 06:00	WG1637036
Styrene	U		0.118	1.00	1	03/19/2021 06:00	WG1637036
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/19/2021 06:00	WG1637036
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/19/2021 06:00	WG1637036
Tetrachloroethene	U		0.300	1.00	1	03/19/2021 06:00	WG1637036
Toluene	U		0.278	1.00	1	03/19/2021 06:00	WG1637036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/19/2021 06:00	WG1637036
1,1,1-Trichloroethane	U		0.149	1.00	1	03/19/2021 06:00	WG1637036
1,1,2-Trichloroethane	U		0.158	1.00	1	03/19/2021 06:00	WG1637036
Trichloroethene	U		0.190	1.00	1	03/19/2021 06:00	WG1637036
Trichlorofluoromethane	U		0.160	5.00	1	03/19/2021 06:00	WG1637036
1,2,3-Trichloropropane	U		0.237	2.50	1	03/19/2021 06:00	WG1637036
Vinyl acetate	U		0.692	10.0	1	03/19/2021 06:00	WG1637036
Vinyl chloride	U		0.234	1.00	1	03/19/2021 06:00	WG1637036
Xylenes, Total	U		0.174	3.00	1	03/19/2021 06:00	WG1637036
Acetonitrile	U		24.0	50.0	1	03/19/2021 06:00	WG1637036
Allyl chloride	U		0.500	5.00	1	03/19/2021 06:00	WG1637036
Chloroprene	U		1.45	50.0	1	03/19/2021 06:00	WG1637036

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/19/2021 06:00	WG1637036
Ethyl methacrylate	U		1.48	5.00	1	03/19/2021 06:00	WG1637036
Isobutanol	U		42.1	100	1	03/19/2021 06:00	WG1637036
Methacrylonitrile	U		14.2	50.0	1	03/19/2021 06:00	WG1637036
Methyl methacrylate	U		1.52	5.00	1	03/19/2021 06:00	WG1637036
Propionitrile	U		16.2	50.0	1	03/19/2021 06:00	WG1637036
(S) Toluene-d8	109			80.0-120		03/19/2021 06:00	WG1637036
(S) Toluene-d8	102			80.0-120		03/19/2021 22:13	WG1637547
(S) 4-Bromofluorobenzene	98.5			77.0-126		03/19/2021 06:00	WG1637036
(S) 4-Bromofluorobenzene	95.4			77.0-126		03/19/2021 22:13	WG1637547
(S) 1,2-Dichloroethane-d4	85.0			70.0-130		03/19/2021 06:00	WG1637036
(S) 1,2-Dichloroethane-d4	114			70.0-130		03/19/2021 22:13	WG1637547

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

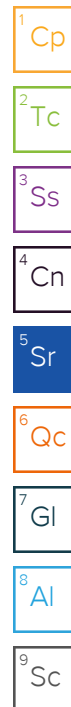
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,4-D	U		1.00	2.00	1	03/17/2021 02:38	WG1631259
2,4,5-T	U		0.573	2.00	1	03/17/2021 02:38	WG1631259
2,4,5-TP (Silvex)	U		0.807	2.00	1	03/17/2021 02:38	WG1631259
(S) 2,4-DB-D3	112			70.0-130		03/17/2021 02:38	WG1631259

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Aldrin	U		0.0198	0.0500	1	03/17/2021 17:20	WG1635501
Alpha BHC	U		0.0172	0.0500	1	03/17/2021 17:20	WG1635501
Beta BHC	U		0.0208	0.0500	1	03/17/2021 17:20	WG1635501
Delta BHC	0.0175	J P	0.0150	0.0500	1	03/17/2021 17:20	WG1635501
Gamma BHC	U		0.0209	0.0500	1	03/17/2021 17:20	WG1635501
Chlordane	U		0.0198	5.00	1	03/17/2021 17:20	WG1635501
4,4-DDD	U		0.0177	0.0500	1	03/17/2021 17:20	WG1635501
4,4-DDE	U		0.0154	0.0500	1	03/17/2021 17:20	WG1635501
4,4-DDT	U		0.0198	0.0500	1	03/17/2021 17:20	WG1635501
Dieldrin	U		0.0162	0.0500	1	03/17/2021 17:20	WG1635501
Endosulfan I	U		0.0160	0.0500	1	03/17/2021 17:20	WG1635501
Endosulfan II	U		0.0164	0.0500	1	03/17/2021 17:20	WG1635501
Endosulfan sulfate	U		0.0217	0.0500	1	03/17/2021 17:20	WG1635501
Endrin	U		0.0161	0.0500	1	03/17/2021 17:20	WG1635501
Endrin aldehyde	U		0.0237	0.0500	1	03/17/2021 17:20	WG1635501
Endrin ketone	U		0.0219	0.0500	1	03/17/2021 17:20	WG1635501
Heptachlor	U		0.0148	0.0500	1	03/17/2021 17:20	WG1635501
Heptachlor epoxide	U		0.0183	0.0500	1	03/17/2021 17:20	WG1635501
Hexachlorobenzene	U		0.0176	0.0500	1	03/17/2021 17:20	WG1635501
Methoxychlor	U		0.0193	0.0500	1	03/17/2021 17:20	WG1635501
Toxaphene	U		0.168	0.500	1	03/17/2021 17:20	WG1635501
(S) Decachlorobiphenyl	96.3			10.0-128		03/17/2021 17:20	WG1635501
(S) Tetrachloro-m-xylene	63.7			10.0-127		03/17/2021 17:20	WG1635501

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.270	0.500	1	03/18/2021 06:39	WG1635501
PCB 1221	U		0.270	0.500	1	03/18/2021 06:39	WG1635501
PCB 1232	U		0.270	0.500	1	03/18/2021 06:39	WG1635501
PCB 1242	U		0.270	0.500	1	03/18/2021 06:39	WG1635501



Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1248	U		0.173	0.500	1	03/18/2021 06:39	WG1635501
PCB 1254	U		0.173	0.500	1	03/18/2021 06:39	WG1635501
PCB 1260	U		0.173	0.500	1	03/18/2021 06:39	WG1635501
(S) Decachlorobiphenyl	80.0			10.0-128		03/18/2021 06:39	WG1635501
(S) Tetrachloro-m-xylene	87.4			10.0-127		03/18/2021 06:39	WG1635501

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0886	1.00	1	03/18/2021 05:08	WG1635417
Acenaphthylene	U		0.0921	1.00	1	03/18/2021 05:08	WG1635417
Anthracene	U		0.0804	1.00	1	03/18/2021 05:08	WG1635417
Benzo(a)anthracene	U		0.199	1.00	1	03/18/2021 05:08	WG1635417
Benzo(b)fluoranthene	U		0.130	1.00	1	03/18/2021 05:08	WG1635417
Benzo(k)fluoranthene	U		0.120	1.00	1	03/18/2021 05:08	WG1635417
Benzo(g,h,i)perylene	U		0.121	1.00	1	03/18/2021 05:08	WG1635417
Benzo(a)pyrene	U		0.0381	1.00	1	03/18/2021 05:08	WG1635417
Benzyl alcohol	U		0.563	10.0	1	03/18/2021 05:08	WG1635417
Bis(2-chlorethoxy)methane	U		0.116	10.0	1	03/18/2021 05:08	WG1635417
Bis(2-chloroethyl)ether	U		0.137	10.0	1	03/18/2021 05:08	WG1635417
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0	1	03/18/2021 05:08	WG1635417
4-Bromophenyl-phenylether	U		0.0877	10.0	1	03/18/2021 05:08	WG1635417
4-Chloroaniline	U		0.234	10.0	1	03/18/2021 05:08	WG1635417
2-Chloronaphthalene	U		0.0648	1.00	1	03/18/2021 05:08	WG1635417
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	03/18/2021 05:08	WG1635417
Chrysene	U		0.130	1.00	1	03/18/2021 05:08	WG1635417
Dibenz(a,h)anthracene	U		0.0644	1.00	1	03/18/2021 05:08	WG1635417
Dibenzofuran	U		0.0970	10.0	1	03/18/2021 05:08	WG1635417
3,3-Dichlorobenzidine	U		0.212	10.0	1	03/18/2021 05:08	WG1635417
2,4-Dinitrotoluene	U		0.0983	10.0	1	03/18/2021 05:08	WG1635417
2,6-Dinitrotoluene	U		0.250	10.0	1	03/18/2021 05:08	WG1635417
Fluoranthene	U		0.102	1.00	1	03/18/2021 05:08	WG1635417
Fluorene	U		0.0844	1.00	1	03/18/2021 05:08	WG1635417
Hexachlorobenzene	U		0.0755	1.00	1	03/18/2021 05:08	WG1635417
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	03/18/2021 05:08	WG1635417
Hexachlorocyclopentadiene	U		0.0598	10.0	1	03/18/2021 05:08	WG1635417
Hexachloroethane	U		0.127	10.0	1	03/18/2021 05:08	WG1635417
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	03/18/2021 05:08	WG1635417
Isophorone	U		0.143	10.0	1	03/18/2021 05:08	WG1635417
2-Methylnaphthalene	U		0.117	1.00	1	03/18/2021 05:08	WG1635417
Naphthalene	U		0.159	1.00	1	03/18/2021 05:08	WG1635417
2-Nitroaniline	U		0.102	10.0	1	03/18/2021 05:08	WG1635417
3-Nitroaniline	U		0.0869	10.0	1	03/18/2021 05:08	WG1635417
4-Nitroaniline	U		0.0910	10.0	1	03/18/2021 05:08	WG1635417
Nitrobenzene	U		0.297	10.0	1	03/18/2021 05:08	WG1635417
n-Nitrosodiphenylamine	U		2.37	10.0	1	03/18/2021 05:08	WG1635417
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	03/18/2021 05:08	WG1635417
Phenanthrene	U		0.112	1.00	1	03/18/2021 05:08	WG1635417
Benzylbutyl phthalate	U		0.765	3.00	1	03/18/2021 05:08	WG1635417
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	03/18/2021 05:08	WG1635417
Di-n-butyl phthalate	U		0.453	3.00	1	03/18/2021 05:08	WG1635417
Diethyl phthalate	U		0.287	3.00	1	03/18/2021 05:08	WG1635417
Dimethyl phthalate	U		0.260	3.00	1	03/18/2021 05:08	WG1635417
Di-n-octyl phthalate	U		0.932	3.00	1	03/18/2021 05:08	WG1635417
Pyrene	U		0.107	1.00	1	03/18/2021 05:08	WG1635417
1,2,4-Trichlorobenzene	U		0.0698	10.0	1	03/18/2021 05:08	WG1635417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.131	10.0	1	03/18/2021 05:08	WG1635417
2-Chlorophenol	U		0.133	10.0	1	03/18/2021 05:08	WG1635417
2-Methylphenol	U		0.0929	10.0	1	03/18/2021 05:08	WG1635417
3&4-Methyl Phenol	U		0.168	10.0	1	03/18/2021 05:08	WG1635417
2,4-Dichlorophenol	U		0.102	10.0	1	03/18/2021 05:08	WG1635417
2,4-Dimethylphenol	U		0.0636	10.0	1	03/18/2021 05:08	WG1635417
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	03/18/2021 05:08	WG1635417
2,4-Dinitrophenol	U		5.93	10.0	1	03/18/2021 05:08	WG1635417
2-Nitrophenol	U		0.117	10.0	1	03/18/2021 05:08	WG1635417
4-Nitrophenol	U		0.143	10.0	1	03/18/2021 05:08	WG1635417
Pentachlorophenol	U		0.313	10.0	1	03/18/2021 05:08	WG1635417
Phenol	U		4.33	10.0	1	03/18/2021 05:08	WG1635417
2,4,5-Trichlorophenol	U		0.109	10.0	1	03/18/2021 05:08	WG1635417
2,4,6-Trichlorophenol	U		0.100	10.0	1	03/18/2021 05:08	WG1635417
Acetophenone	U	J4	0.208	10.0	1	03/18/2021 05:08	WG1635417
2-Acetylaminofluorene	U		0.253	10.0	1	03/18/2021 15:06	WG1635417
4-Aminobiphenyl	U		0.461	10.0	1	03/18/2021 15:06	WG1635417
Chlorobenzilate	U		3.84	50.0	1	03/18/2021 15:06	WG1635417
Diallate	U		0.524	10.0	1	03/18/2021 15:06	WG1635417
Dinoseb	U		8.01	50.0	1	03/18/2021 15:06	WG1635417
Ethyl methanesulfonate	U		0.326	10.0	1	03/18/2021 15:06	WG1635417
Famphur	U		3.92	20.0	1	03/18/2021 15:06	WG1635417
Hexachloropropene	U		0.149	50.0	1	03/18/2021 15:06	WG1635417
Isodrin	U		4.11	10.0	1	03/18/2021 15:06	WG1635417
Isosafrole	U		3.88	10.0	1	03/18/2021 15:06	WG1635417
Kepone	U		2.66	20.0	1	03/18/2021 15:06	WG1635417
Methapyrilene	U		10.0	50.0	1	03/18/2021 15:06	WG1635417
3-Methylcholanthrene	U		0.164	10.0	1	03/18/2021 15:06	WG1635417
Methyl methanesulfonate	U		3.40	50.0	1	03/18/2021 15:06	WG1635417
Methyl parathion	U		0.213	10.0	1	03/18/2021 15:06	WG1635417
1,4-Naphthoquinone	U	J4	5.56	50.0	1	03/18/2021 15:06	WG1635417
1-Naphthylamine	U		0.289	10.0	1	03/18/2021 15:06	WG1635417
2-Naphthylamine	U		4.48	10.0	1	03/18/2021 15:06	WG1635417
n-Nitrosodi-n-butylamine	U		3.91	10.0	1	03/18/2021 15:06	WG1635417
n-Nitrosodiethylamine	U		3.57	10.0	1	03/18/2021 15:06	WG1635417
n-Nitrosodimethylamine	U		0.998	10.0	1	03/18/2021 05:08	WG1635417
n-Nitrosomethylethylamine	U		3.25	10.0	1	03/18/2021 15:06	WG1635417
N-Nitrosomorpholine	U		3.25	10.0	1	03/18/2021 15:06	WG1635417
n-Nitrosopiperidine	U		3.72	10.0	1	03/18/2021 15:06	WG1635417
n-Nitrosopyrrolidine	U		3.39	10.0	1	03/18/2021 15:06	WG1635417
5-Nitro-o-toluidine	U		1.99	10.0	1	03/18/2021 15:06	WG1635417
Ethyl Parathion	U		0.379	10.0	1	03/18/2021 15:06	WG1635417
Pentachlorobenzene	U		4.15	10.0	1	03/18/2021 15:06	WG1635417
Pentachloronitrobenzene	U		4.15	10.0	1	03/18/2021 15:06	WG1635417
Phenacetin	U		4.66	10.0	1	03/18/2021 15:06	WG1635417
p-Phenylenediamine	U	J4	387	6900	1	03/18/2021 15:06	WG1635417
Phorate	U		4.86	50.0	1	03/18/2021 15:06	WG1635417
Pronamide	U		4.21	10.0	1	03/18/2021 15:06	WG1635417
Dimethoate	U		5.05	50.0	1	03/18/2021 15:06	WG1635417
P-(Dimethylamino) Azobenzene	U		3.69	10.0	1	03/18/2021 15:06	WG1635417
Dimethylbenz (A) Anthracene	U		1.71	10.0	1	03/18/2021 15:06	WG1635417
3,3-Dimethylbenzidine	U		3.39	10.0	1	03/18/2021 15:06	WG1635417
1,3-Dinitrobenzene	U		0.359	10.0	1	03/18/2021 15:06	WG1635417
Diphenylamine	U		2.37	10.0	1	03/18/2021 05:08	WG1635417
Disulfoton	U		0.267	10.0	1	03/18/2021 15:06	WG1635417
Safrole	U		3.68	10.0	1	03/18/2021 15:06	WG1635417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Thionazin	U		4.07	10.0	1	03/18/2021 15:06	WG1635417
o-Toluidine	U		3.53	10.0	1	03/18/2021 15:06	WG1635417
O,O,O-Triethyl phosphorothioate	U		2.93	10.0	1	03/18/2021 15:06	WG1635417
1,3,5-Trinitrobenzene	U		1.32	10.0	1	03/18/2021 15:06	WG1635417
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	03/18/2021 05:08	WG1635417
2,6-Dichlorophenol	U		0.102	10.0	1	03/18/2021 15:06	WG1635417
2,3,4,6-Tetrachlorophenol	U		0.231	10.0	1	03/18/2021 05:08	WG1635417
(S) 2-Fluorophenol	40.2			10.0-120		03/18/2021 05:08	WG1635417
(S) Phenol-d5	26.1			10.0-120		03/18/2021 05:08	WG1635417
(S) Nitrobenzene-d5	64.5			10.0-127		03/18/2021 05:08	WG1635417
(S) 2-Fluorobiphenyl	83.2			10.0-130		03/18/2021 05:08	WG1635417
(S) 2,4,6-Tribromophenol	77.3			10.0-155		03/18/2021 05:08	WG1635417
(S) p-Terphenyl-d14	83.0			10.0-128		03/18/2021 05:08	WG1635417

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	719000		13300	1	03/17/2021 17:14	WG1635971

Wet Chemistry by Method 4500CN E-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Cyanide	U	J3 J6	1.80	5.00	1	03/19/2021 19:56	WG1637066

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	03/18/2021 16:31	WG1636306

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	139000		1900	5000	5	03/20/2021 03:29	WG1637436
Sulfate	41200		594	5000	1	03/20/2021 03:12	WG1637436

Wet Chemistry by Method 9060A

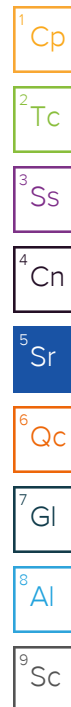
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	3290	B	102	1000	1	03/21/2021 06:29	WG1637863

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	U		0.100	0.200	1	03/16/2021 15:32	WG1634673

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		1.03	4.00	1	03/18/2021 14:44	WG1636428
Arsenic	4.36		0.180	2.00	1	03/18/2021 14:44	WG1636428
Barium	261		0.381	20.0	1	03/18/2021 14:44	WG1636428
Beryllium	U		0.190	2.00	1	03/18/2021 14:44	WG1636428
Cadmium	U		0.150	1.00	1	03/18/2021 14:44	WG1636428
Chromium	U		1.24	2.00	1	03/18/2021 14:44	WG1636428
Copper	U		1.51	5.00	1	03/18/2021 14:44	WG1636428
Cobalt	1.54	J	0.0596	2.00	1	03/18/2021 14:44	WG1636428
Iron	3080		28.1	100	1	03/18/2021 14:44	WG1636428
Lead	U		0.849	2.00	1	03/18/2021 14:44	WG1636428
Manganese	697		0.704	5.00	1	03/18/2021 14:44	WG1636428
Nickel	14.8		0.816	2.00	1	03/18/2021 14:44	WG1636428
Selenium	U		0.300	2.00	1	03/18/2021 14:44	WG1636428
Silver	U		0.0700	2.00	1	03/18/2021 14:44	WG1636428
Thallium	U		0.121	2.00	1	03/18/2021 14:44	WG1636428
Tin	U		0.655	2.00	1	03/18/2021 14:44	WG1636428
Vanadium	U		0.664	5.00	1	03/18/2021 14:44	WG1636428
Zinc	7.21	B J	3.02	25.0	1	03/18/2021 14:44	WG1636428



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	03/19/2021 06:20	WG1637036
Acrolein	U		2.54	50.0	1	03/19/2021 22:34	WG1637547
Acrylonitrile	U		0.671	10.0	1	03/19/2021 06:20	WG1637036
Benzene	U		0.0941	1.00	1	03/19/2021 06:20	WG1637036
Bromodichloromethane	U		0.136	1.00	1	03/19/2021 06:20	WG1637036
Bromochloromethane	U		0.128	1.00	1	03/19/2021 06:20	WG1637036
Bromoform	U		0.129	1.00	1	03/19/2021 06:20	WG1637036
Bromomethane	U		0.605	5.00	1	03/19/2021 06:20	WG1637036
Carbon disulfide	U		0.0962	1.00	1	03/19/2021 06:20	WG1637036
Carbon tetrachloride	U		0.128	1.00	1	03/19/2021 06:20	WG1637036
Chlorobenzene	U		0.116	1.00	1	03/19/2021 06:20	WG1637036
Chlorodibromomethane	U		0.140	1.00	1	03/19/2021 06:20	WG1637036
Chloroethane	U		0.192	5.00	1	03/19/2021 06:20	WG1637036
Chloroform	U		0.111	5.00	1	03/19/2021 06:20	WG1637036
Chloromethane	U		0.960	2.50	1	03/19/2021 06:20	WG1637036
1,2-Dibromoethane	U		0.126	1.00	1	03/19/2021 06:20	WG1637036
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/19/2021 06:20	WG1637036
Dibromomethane	U		0.122	1.00	1	03/19/2021 06:20	WG1637036
1,2-Dichlorobenzene	U		0.107	1.00	1	03/19/2021 06:20	WG1637036
1,3-Dichlorobenzene	U		0.110	1.00	1	03/19/2021 06:20	WG1637036
1,4-Dichlorobenzene	U		0.120	1.00	1	03/19/2021 06:20	WG1637036
Dichlorodifluoromethane	U		0.374	5.00	1	03/19/2021 06:20	WG1637036
1,1-Dichloroethane	U		0.100	1.00	1	03/19/2021 06:20	WG1637036
1,2-Dichloroethane	U		0.0819	1.00	1	03/19/2021 06:20	WG1637036
1,1-Dichloroethene	U		0.188	1.00	1	03/19/2021 06:20	WG1637036
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/19/2021 06:20	WG1637036
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/19/2021 06:20	WG1637036
1,2-Dichloropropane	U		0.149	1.00	1	03/19/2021 06:20	WG1637036
1,3-Dichloropropane	U		0.110	1.00	1	03/19/2021 06:20	WG1637036
2,2-Dichloropropane	U		0.161	1.00	1	03/19/2021 06:20	WG1637036
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/19/2021 06:20	WG1637036
trans-1,3-Dichloropropene	U	J4	0.118	1.00	1	03/19/2021 06:20	WG1637036
1,1-Dichloropropene	U		0.142	1.00	1	03/19/2021 06:20	WG1637036
Ethylbenzene	U		0.137	1.00	1	03/19/2021 06:20	WG1637036
2-Hexanone	U		0.787	10.0	1	03/19/2021 06:20	WG1637036
Iodomethane	U		6.00	10.0	1	03/19/2021 06:20	WG1637036
2-Butanone (MEK)	U		1.19	10.0	1	03/19/2021 06:20	WG1637036
Methylene Chloride	U		0.430	5.00	1	03/19/2021 06:20	WG1637036
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/19/2021 06:20	WG1637036
Styrene	U		0.118	1.00	1	03/19/2021 06:20	WG1637036
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/19/2021 06:20	WG1637036
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/19/2021 06:20	WG1637036
Tetrachloroethene	U		0.300	1.00	1	03/19/2021 06:20	WG1637036
Toluene	U		0.278	1.00	1	03/19/2021 06:20	WG1637036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/19/2021 06:20	WG1637036
1,1,1-Trichloroethane	U		0.149	1.00	1	03/19/2021 06:20	WG1637036
1,1,2-Trichloroethane	U		0.158	1.00	1	03/19/2021 06:20	WG1637036
Trichloroethene	U		0.190	1.00	1	03/19/2021 06:20	WG1637036
Trichlorofluoromethane	U		0.160	5.00	1	03/19/2021 06:20	WG1637036
1,2,3-Trichloropropane	U		0.237	2.50	1	03/19/2021 06:20	WG1637036
Vinyl acetate	U		0.692	10.0	1	03/19/2021 06:20	WG1637036
Vinyl chloride	U		0.234	1.00	1	03/19/2021 06:20	WG1637036
Xylenes, Total	U		0.174	3.00	1	03/19/2021 06:20	WG1637036
Acetonitrile	U		24.0	50.0	1	03/19/2021 06:20	WG1637036
Allyl chloride	U		0.500	5.00	1	03/19/2021 06:20	WG1637036
Chloroprene	U		1.45	50.0	1	03/19/2021 06:20	WG1637036

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/19/2021 06:20	WG1637036
Ethyl methacrylate	U		1.48	5.00	1	03/19/2021 06:20	WG1637036
Isobutanol	U		42.1	100	1	03/19/2021 06:20	WG1637036
Methacrylonitrile	U		14.2	50.0	1	03/19/2021 06:20	WG1637036
Methyl methacrylate	U		1.52	5.00	1	03/19/2021 06:20	WG1637036
Propionitrile	U		16.2	50.0	1	03/19/2021 06:20	WG1637036
(S) Toluene-d8	110			80.0-120		03/19/2021 06:20	WG1637036
(S) Toluene-d8	97.8			80.0-120		03/19/2021 22:34	WG1637547
(S) 4-Bromofluorobenzene	106			77.0-126		03/19/2021 06:20	WG1637036
(S) 4-Bromofluorobenzene	95.9			77.0-126		03/19/2021 22:34	WG1637547
(S) 1,2-Dichloroethane-d4	115			70.0-130		03/19/2021 06:20	WG1637036
(S) 1,2-Dichloroethane-d4	117			70.0-130		03/19/2021 22:34	WG1637547

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

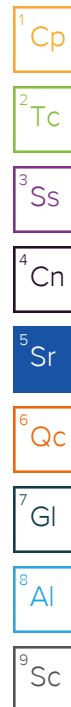
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,4-D	U		1.00	2.00	1	03/17/2021 02:55	WG1631259
2,4,5-T	U		0.573	2.00	1	03/17/2021 02:55	WG1631259
2,4,5-TP (Silvex)	U		0.807	2.00	1	03/17/2021 02:55	WG1631259
(S) 2,4-DB-D3	110			70.0-130		03/17/2021 02:55	WG1631259

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Aldrin	U		0.0198	0.0500	1	03/17/2021 17:33	WG1635501
Alpha BHC	U		0.0172	0.0500	1	03/17/2021 17:33	WG1635501
Beta BHC	U		0.0208	0.0500	1	03/17/2021 17:33	WG1635501
Delta BHC	U		0.0150	0.0500	1	03/17/2021 17:33	WG1635501
Gamma BHC	U		0.0209	0.0500	1	03/17/2021 17:33	WG1635501
Chlordane	U		0.0198	5.00	1	03/17/2021 17:33	WG1635501
4,4-DDD	U		0.0177	0.0500	1	03/17/2021 17:33	WG1635501
4,4-DDE	U		0.0154	0.0500	1	03/17/2021 17:33	WG1635501
4,4-DDT	U		0.0198	0.0500	1	03/17/2021 17:33	WG1635501
Dieldrin	U		0.0162	0.0500	1	03/17/2021 17:33	WG1635501
Endosulfan I	U		0.0160	0.0500	1	03/17/2021 17:33	WG1635501
Endosulfan II	U		0.0164	0.0500	1	03/17/2021 17:33	WG1635501
Endosulfan sulfate	U		0.0217	0.0500	1	03/17/2021 17:33	WG1635501
Endrin	U		0.0161	0.0500	1	03/17/2021 17:33	WG1635501
Endrin aldehyde	U		0.0237	0.0500	1	03/17/2021 17:33	WG1635501
Endrin ketone	U		0.0219	0.0500	1	03/17/2021 17:33	WG1635501
Heptachlor	U		0.0148	0.0500	1	03/17/2021 17:33	WG1635501
Heptachlor epoxide	U		0.0183	0.0500	1	03/17/2021 17:33	WG1635501
Hexachlorobenzene	U		0.0176	0.0500	1	03/17/2021 17:33	WG1635501
Methoxychlor	U		0.0193	0.0500	1	03/17/2021 17:33	WG1635501
Toxaphene	U		0.168	0.500	1	03/17/2021 17:33	WG1635501
(S) Decachlorobiphenyl	67.8			10.0-128		03/17/2021 17:33	WG1635501
(S) Tetrachloro-m-xylene	59.6			10.0-127		03/17/2021 17:33	WG1635501

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.270	0.500	1	03/18/2021 06:47	WG1635501
PCB 1221	U		0.270	0.500	1	03/18/2021 06:47	WG1635501
PCB 1232	U		0.270	0.500	1	03/18/2021 06:47	WG1635501
PCB 1242	U		0.270	0.500	1	03/18/2021 06:47	WG1635501



Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1248	U		0.173	0.500	1	03/18/2021 06:47	WG1635501
PCB 1254	U		0.173	0.500	1	03/18/2021 06:47	WG1635501
PCB 1260	U		0.173	0.500	1	03/18/2021 06:47	WG1635501
(S) Decachlorobiphenyl	56.1			10.0-128		03/18/2021 06:47	WG1635501
(S) Tetrachloro-m-xylene	84.1			10.0-127		03/18/2021 06:47	WG1635501

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0886	1.00	1	03/18/2021 05:30	WG1635417
Acenaphthylene	U		0.0921	1.00	1	03/18/2021 05:30	WG1635417
Anthracene	U		0.0804	1.00	1	03/18/2021 05:30	WG1635417
Benzo(a)anthracene	U		0.199	1.00	1	03/18/2021 05:30	WG1635417
Benzo(b)fluoranthene	U		0.130	1.00	1	03/18/2021 05:30	WG1635417
Benzo(k)fluoranthene	U		0.120	1.00	1	03/18/2021 05:30	WG1635417
Benzo(g,h,i)perylene	U		0.121	1.00	1	03/18/2021 05:30	WG1635417
Benzo(a)pyrene	U		0.0381	1.00	1	03/18/2021 05:30	WG1635417
Benzyl alcohol	U		0.563	10.0	1	03/18/2021 05:30	WG1635417
Bis(2-chlorethoxy)methane	U		0.116	10.0	1	03/18/2021 05:30	WG1635417
Bis(2-chloroethyl)ether	U		0.137	10.0	1	03/18/2021 05:30	WG1635417
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0	1	03/18/2021 05:30	WG1635417
4-Bromophenyl-phenylether	U		0.0877	10.0	1	03/18/2021 05:30	WG1635417
4-Chloroaniline	U		0.234	10.0	1	03/18/2021 05:30	WG1635417
2-Chloronaphthalene	U		0.0648	1.00	1	03/18/2021 05:30	WG1635417
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	03/18/2021 05:30	WG1635417
Chrysene	U		0.130	1.00	1	03/18/2021 05:30	WG1635417
Dibenz(a,h)anthracene	U		0.0644	1.00	1	03/18/2021 05:30	WG1635417
Dibenzofuran	U		0.0970	10.0	1	03/18/2021 05:30	WG1635417
3,3-Dichlorobenzidine	U		0.212	10.0	1	03/18/2021 05:30	WG1635417
2,4-Dinitrotoluene	U		0.0983	10.0	1	03/18/2021 05:30	WG1635417
2,6-Dinitrotoluene	U		0.250	10.0	1	03/18/2021 05:30	WG1635417
Fluoranthene	U		0.102	1.00	1	03/18/2021 05:30	WG1635417
Fluorene	U		0.0844	1.00	1	03/18/2021 05:30	WG1635417
Hexachlorobenzene	U		0.0755	1.00	1	03/18/2021 05:30	WG1635417
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	03/18/2021 05:30	WG1635417
Hexachlorocyclopentadiene	U		0.0598	10.0	1	03/18/2021 05:30	WG1635417
Hexachloroethane	U		0.127	10.0	1	03/18/2021 05:30	WG1635417
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	03/18/2021 05:30	WG1635417
Isophorone	U		0.143	10.0	1	03/18/2021 05:30	WG1635417
2-Methylnaphthalene	U		0.117	1.00	1	03/18/2021 05:30	WG1635417
Naphthalene	U		0.159	1.00	1	03/18/2021 05:30	WG1635417
2-Nitroaniline	U		0.102	10.0	1	03/18/2021 05:30	WG1635417
3-Nitroaniline	U		0.0869	10.0	1	03/18/2021 05:30	WG1635417
4-Nitroaniline	U		0.0910	10.0	1	03/18/2021 05:30	WG1635417
Nitrobenzene	U		0.297	10.0	1	03/18/2021 05:30	WG1635417
n-Nitrosodiphenylamine	U		2.37	10.0	1	03/18/2021 05:30	WG1635417
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	03/18/2021 05:30	WG1635417
Phenanthrene	U		0.112	1.00	1	03/18/2021 05:30	WG1635417
Benzylbutyl phthalate	U		0.765	3.00	1	03/18/2021 05:30	WG1635417
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	03/18/2021 05:30	WG1635417
Di-n-butyl phthalate	U		0.453	3.00	1	03/18/2021 05:30	WG1635417
Diethyl phthalate	U		0.287	3.00	1	03/18/2021 05:30	WG1635417
Dimethyl phthalate	U		0.260	3.00	1	03/18/2021 05:30	WG1635417
Di-n-octyl phthalate	U		0.932	3.00	1	03/18/2021 05:30	WG1635417
Pyrene	U		0.107	1.00	1	03/18/2021 05:30	WG1635417
1,2,4-Trichlorobenzene	U		0.0698	10.0	1	03/18/2021 05:30	WG1635417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.131	10.0	1	03/18/2021 05:30	WG1635417
2-Chlorophenol	U		0.133	10.0	1	03/18/2021 05:30	WG1635417
2-Methylphenol	U		0.0929	10.0	1	03/18/2021 05:30	WG1635417
3&4-Methyl Phenol	U		0.168	10.0	1	03/18/2021 05:30	WG1635417
2,4-Dichlorophenol	U		0.102	10.0	1	03/18/2021 05:30	WG1635417
2,4-Dimethylphenol	U		0.0636	10.0	1	03/18/2021 05:30	WG1635417
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	03/18/2021 05:30	WG1635417
2,4-Dinitrophenol	U		5.93	10.0	1	03/18/2021 05:30	WG1635417
2-Nitrophenol	U		0.117	10.0	1	03/18/2021 05:30	WG1635417
4-Nitrophenol	U		0.143	10.0	1	03/18/2021 05:30	WG1635417
Pentachlorophenol	U		0.313	10.0	1	03/18/2021 05:30	WG1635417
Phenol	U		4.33	10.0	1	03/18/2021 05:30	WG1635417
2,4,5-Trichlorophenol	U		0.109	10.0	1	03/18/2021 05:30	WG1635417
2,4,6-Trichlorophenol	U		0.100	10.0	1	03/18/2021 05:30	WG1635417
Acetophenone	U	J4	0.208	10.0	1	03/18/2021 05:30	WG1635417
2-Acetylaminofluorene	U		0.253	10.0	1	03/18/2021 15:26	WG1635417
4-Aminobiphenyl	U		0.461	10.0	1	03/18/2021 15:26	WG1635417
Chlorobenzilate	U		3.84	50.0	1	03/18/2021 15:26	WG1635417
Diallate	U		0.524	10.0	1	03/18/2021 15:26	WG1635417
Dinoseb	U		8.01	50.0	1	03/18/2021 15:26	WG1635417
Ethyl methanesulfonate	U		0.326	10.0	1	03/18/2021 15:26	WG1635417
Famphur	U		3.92	20.0	1	03/18/2021 15:26	WG1635417
Hexachloropropene	U		0.149	50.0	1	03/18/2021 15:26	WG1635417
Isodrin	U		4.11	10.0	1	03/18/2021 15:26	WG1635417
Isosafrole	U		3.88	10.0	1	03/18/2021 15:26	WG1635417
Kepone	U		2.66	20.0	1	03/18/2021 15:26	WG1635417
Methapyrilene	U		10.0	50.0	1	03/18/2021 15:26	WG1635417
3-Methylcholanthrene	U		0.164	10.0	1	03/18/2021 15:26	WG1635417
Methyl methanesulfonate	U		3.40	50.0	1	03/18/2021 15:26	WG1635417
Methyl parathion	U		0.213	10.0	1	03/18/2021 15:26	WG1635417
1,4-Naphthoquinone	U	J4	5.56	50.0	1	03/18/2021 15:26	WG1635417
1-Naphthylamine	U		0.289	10.0	1	03/18/2021 15:26	WG1635417
2-Naphthylamine	U		4.48	10.0	1	03/18/2021 15:26	WG1635417
n-Nitrosodi-n-butylamine	U		3.91	10.0	1	03/18/2021 15:26	WG1635417
n-Nitrosodiethylamine	U		3.57	10.0	1	03/18/2021 15:26	WG1635417
n-Nitrosodimethylamine	U		0.998	10.0	1	03/18/2021 05:30	WG1635417
n-Nitrosomethylethylamine	U		3.25	10.0	1	03/18/2021 15:26	WG1635417
N-Nitrosomorpholine	U		3.25	10.0	1	03/18/2021 15:26	WG1635417
n-Nitrosopiperidine	U		3.72	10.0	1	03/18/2021 15:26	WG1635417
n-Nitrosopyrrolidine	U		3.39	10.0	1	03/18/2021 15:26	WG1635417
5-Nitro-o-toluidine	U		1.99	10.0	1	03/18/2021 15:26	WG1635417
Ethyl Parathion	U		0.379	10.0	1	03/18/2021 15:26	WG1635417
Pentachlorobenzene	U		4.15	10.0	1	03/18/2021 15:26	WG1635417
Pentachloronitrobenzene	U		4.15	10.0	1	03/18/2021 15:26	WG1635417
Phenacetin	U		4.66	10.0	1	03/18/2021 15:26	WG1635417
p-Phenylenediamine	U	J4	387	6900	1	03/18/2021 15:26	WG1635417
Phorate	U		4.86	50.0	1	03/18/2021 15:26	WG1635417
Pronamide	U		4.21	10.0	1	03/18/2021 15:26	WG1635417
Dimethoate	U		5.05	50.0	1	03/18/2021 15:26	WG1635417
P-(Dimethylamino) Azobenzene	U		3.69	10.0	1	03/18/2021 15:26	WG1635417
Dimethylbenz (A) Anthracene	U		1.71	10.0	1	03/18/2021 15:26	WG1635417
3,3-Dimethylbenzidine	U		3.39	10.0	1	03/18/2021 15:26	WG1635417
1,3-Dinitrobenzene	U		0.359	10.0	1	03/18/2021 15:26	WG1635417
Diphenylamine	U		2.37	10.0	1	03/18/2021 05:30	WG1635417
Disulfoton	U		0.267	10.0	1	03/18/2021 15:26	WG1635417
Safrole	U		3.68	10.0	1	03/18/2021 15:26	WG1635417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-3

SAMPLE RESULTS - 03

Collected date/time: 03/11/21 16:00

L1326688

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Thionazin	U		4.07	10.0	1	03/18/2021 15:26	WG1635417
o-Toluidine	U		3.53	10.0	1	03/18/2021 15:26	WG1635417
O,O,O-Triethyl phosphorothioate	U		2.93	10.0	1	03/18/2021 15:26	WG1635417
1,3,5-Trinitrobenzene	U		1.32	10.0	1	03/18/2021 15:26	WG1635417
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	03/18/2021 05:30	WG1635417
2,6-Dichlorophenol	U		0.102	10.0	1	03/18/2021 15:26	WG1635417
2,3,4,6-Tetrachlorophenol	U		0.231	10.0	1	03/18/2021 05:30	WG1635417
(S) 2-Fluorophenol	42.5			10.0-120		03/18/2021 05:30	WG1635417
(S) Phenol-d5	28.1			10.0-120		03/18/2021 05:30	WG1635417
(S) Nitrobenzene-d5	68.3			10.0-127		03/18/2021 05:30	WG1635417
(S) 2-Fluorobiphenyl	88.1			10.0-130		03/18/2021 05:30	WG1635417
(S) 2,4,6-Tribromophenol	80.0			10.0-155		03/18/2021 05:30	WG1635417
(S) p-Terphenyl-d14	88.3			10.0-128		03/18/2021 05:30	WG1635417

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

ACCOUNT:

FTN Associates - Little Rock, AR

PROJECT:

04355-2495-001

SDG:

L1326688

DATE/TIME:

03/23/21 16:08

PAGE:

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	333000		10000	1	03/17/2021 17:14	WG1635971

Wet Chemistry by Method 4500CN E-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Cyanide	U		1.80	5.00	1	03/19/2021 17:25	WG1637066

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	03/18/2021 16:31	WG1636306

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	23800		379	1000	1	03/20/2021 04:18	WG1637436
Sulfate	14500		594	5000	1	03/20/2021 04:18	WG1637436

Wet Chemistry by Method 9060A

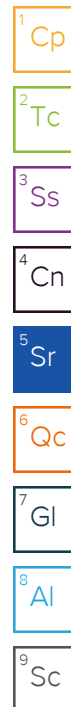
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	3640		102	1000	1	03/21/2021 06:46	WG1637863

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	U		0.100	0.200	1	03/16/2021 15:34	WG1634673

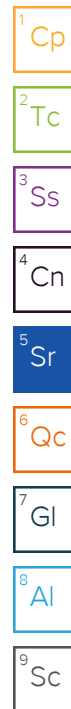
Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		1.03	4.00	1	03/18/2021 14:47	WG1636428
Arsenic	104		0.180	2.00	1	03/18/2021 14:47	WG1636428
Barium	403		0.381	20.0	1	03/18/2021 14:47	WG1636428
Beryllium	U		0.190	2.00	1	03/18/2021 14:47	WG1636428
Cadmium	U		0.150	1.00	1	03/18/2021 14:47	WG1636428
Chromium	U		1.24	2.00	1	03/18/2021 14:47	WG1636428
Copper	U		1.51	5.00	1	03/18/2021 14:47	WG1636428
Cobalt	0.638	J	0.0596	2.00	1	03/18/2021 14:47	WG1636428
Iron	19500		28.1	100	1	03/18/2021 14:47	WG1636428
Lead	U		0.849	2.00	1	03/18/2021 14:47	WG1636428
Manganese	1640		0.704	5.00	1	03/18/2021 14:47	WG1636428
Nickel	3.56		0.816	2.00	1	03/18/2021 14:47	WG1636428
Selenium	U		0.300	2.00	1	03/18/2021 14:47	WG1636428
Silver	U		0.0700	2.00	1	03/18/2021 14:47	WG1636428
Thallium	U		0.121	2.00	1	03/18/2021 14:47	WG1636428
Tin	U		0.655	2.00	1	03/18/2021 14:47	WG1636428
Vanadium	U		0.664	5.00	1	03/18/2021 14:47	WG1636428
Zinc	7.47	B J	3.02	25.0	1	03/18/2021 14:47	WG1636428



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	03/19/2021 06:40	WG1637036
Acrolein	U		2.54	50.0	1	03/19/2021 22:55	WG1637547
Acrylonitrile	U		0.671	10.0	1	03/19/2021 06:40	WG1637036
Benzene	U		0.0941	1.00	1	03/19/2021 06:40	WG1637036
Bromodichloromethane	U		0.136	1.00	1	03/19/2021 06:40	WG1637036
Bromochloromethane	U		0.128	1.00	1	03/19/2021 06:40	WG1637036
Bromoform	U		0.129	1.00	1	03/19/2021 06:40	WG1637036
Bromomethane	U		0.605	5.00	1	03/19/2021 06:40	WG1637036
Carbon disulfide	U		0.0962	1.00	1	03/19/2021 06:40	WG1637036
Carbon tetrachloride	U		0.128	1.00	1	03/19/2021 06:40	WG1637036
Chlorobenzene	U		0.116	1.00	1	03/19/2021 06:40	WG1637036
Chlorodibromomethane	U		0.140	1.00	1	03/19/2021 06:40	WG1637036
Chloroethane	U		0.192	5.00	1	03/19/2021 06:40	WG1637036
Chloroform	U		0.111	5.00	1	03/19/2021 06:40	WG1637036
Chloromethane	U		0.960	2.50	1	03/19/2021 06:40	WG1637036
1,2-Dibromoethane	U		0.126	1.00	1	03/19/2021 06:40	WG1637036
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/19/2021 06:40	WG1637036
Dibromomethane	U		0.122	1.00	1	03/19/2021 06:40	WG1637036
1,2-Dichlorobenzene	U		0.107	1.00	1	03/19/2021 06:40	WG1637036
1,3-Dichlorobenzene	U		0.110	1.00	1	03/19/2021 06:40	WG1637036
1,4-Dichlorobenzene	U		0.120	1.00	1	03/19/2021 06:40	WG1637036
Dichlorodifluoromethane	U		0.374	5.00	1	03/19/2021 06:40	WG1637036
1,1-Dichloroethane	U		0.100	1.00	1	03/19/2021 06:40	WG1637036
1,2-Dichloroethane	U		0.0819	1.00	1	03/19/2021 06:40	WG1637036
1,1-Dichloroethene	U		0.188	1.00	1	03/19/2021 06:40	WG1637036
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/19/2021 06:40	WG1637036
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/19/2021 06:40	WG1637036
1,2-Dichloropropane	U		0.149	1.00	1	03/19/2021 06:40	WG1637036
1,3-Dichloropropane	U		0.110	1.00	1	03/19/2021 06:40	WG1637036
2,2-Dichloropropane	U		0.161	1.00	1	03/19/2021 06:40	WG1637036
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/19/2021 06:40	WG1637036
trans-1,3-Dichloropropene	U	J4	0.118	1.00	1	03/19/2021 06:40	WG1637036
1,1-Dichloropropene	U		0.142	1.00	1	03/19/2021 06:40	WG1637036
Ethylbenzene	U		0.137	1.00	1	03/19/2021 06:40	WG1637036
2-Hexanone	U		0.787	10.0	1	03/19/2021 06:40	WG1637036
Iodomethane	U		6.00	10.0	1	03/19/2021 06:40	WG1637036
2-Butanone (MEK)	U		1.19	10.0	1	03/19/2021 06:40	WG1637036
Methylene Chloride	U		0.430	5.00	1	03/19/2021 06:40	WG1637036
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/19/2021 06:40	WG1637036
Styrene	U		0.118	1.00	1	03/19/2021 06:40	WG1637036
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/19/2021 06:40	WG1637036
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/19/2021 06:40	WG1637036
Tetrachloroethene	U		0.300	1.00	1	03/19/2021 06:40	WG1637036
Toluene	U		0.278	1.00	1	03/19/2021 06:40	WG1637036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/19/2021 06:40	WG1637036
1,1,1-Trichloroethane	U		0.149	1.00	1	03/19/2021 06:40	WG1637036
1,1,2-Trichloroethane	U		0.158	1.00	1	03/19/2021 06:40	WG1637036
Trichloroethene	U		0.190	1.00	1	03/19/2021 06:40	WG1637036
Trichlorofluoromethane	U		0.160	5.00	1	03/19/2021 06:40	WG1637036
1,2,3-Trichloropropane	U		0.237	2.50	1	03/19/2021 06:40	WG1637036
Vinyl acetate	U		0.692	10.0	1	03/19/2021 06:40	WG1637036
Vinyl chloride	U		0.234	1.00	1	03/19/2021 06:40	WG1637036
Xylenes, Total	U		0.174	3.00	1	03/19/2021 06:40	WG1637036
Acetonitrile	U		24.0	50.0	1	03/19/2021 06:40	WG1637036
Allyl chloride	U		0.500	5.00	1	03/19/2021 06:40	WG1637036
Chloroprene	U		1.45	50.0	1	03/19/2021 06:40	WG1637036



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/19/2021 06:40	WG1637036
Ethyl methacrylate	U		1.48	5.00	1	03/19/2021 06:40	WG1637036
Isobutanol	U		42.1	100	1	03/19/2021 06:40	WG1637036
Methacrylonitrile	U		14.2	50.0	1	03/19/2021 06:40	WG1637036
Methyl methacrylate	U		1.52	5.00	1	03/19/2021 06:40	WG1637036
Propionitrile	U		16.2	50.0	1	03/19/2021 06:40	WG1637036
(S) Toluene-d8	109			80.0-120		03/19/2021 06:40	WG1637036
(S) Toluene-d8	101			80.0-120		03/19/2021 22:55	WG1637547
(S) 4-Bromofluorobenzene	105			77.0-126		03/19/2021 06:40	WG1637036
(S) 4-Bromofluorobenzene	101			77.0-126		03/19/2021 22:55	WG1637547
(S) 1,2-Dichloroethane-d4	112			70.0-130		03/19/2021 06:40	WG1637036
(S) 1,2-Dichloroethane-d4	118			70.0-130		03/19/2021 22:55	WG1637547

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,4-D	U		1.00	2.00	1	03/17/2021 03:13	WG1631259
2,4,5-T	U		0.573	2.00	1	03/17/2021 03:13	WG1631259
2,4,5-TP (Silvex)	U		0.807	2.00	1	03/17/2021 03:13	WG1631259
(S) 2,4-DB-D3	110			70.0-130		03/17/2021 03:13	WG1631259

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Aldrin	U		0.0198	0.0500	1	03/17/2021 17:45	WG1635501
Alpha BHC	U		0.0172	0.0500	1	03/17/2021 17:45	WG1635501
Beta BHC	U		0.0208	0.0500	1	03/17/2021 17:45	WG1635501
Delta BHC	U		0.0150	0.0500	1	03/17/2021 17:45	WG1635501
Gamma BHC	U		0.0209	0.0500	1	03/17/2021 17:45	WG1635501
Chlordane	U		0.0198	5.00	1	03/17/2021 17:45	WG1635501
4,4-DDD	U		0.0177	0.0500	1	03/17/2021 17:45	WG1635501
4,4-DDE	U		0.0154	0.0500	1	03/17/2021 17:45	WG1635501
4,4-DDT	U		0.0198	0.0500	1	03/17/2021 17:45	WG1635501
Dieldrin	U		0.0162	0.0500	1	03/17/2021 17:45	WG1635501
Endosulfan I	U		0.0160	0.0500	1	03/17/2021 17:45	WG1635501
Endosulfan II	U		0.0164	0.0500	1	03/17/2021 17:45	WG1635501
Endosulfan sulfate	U		0.0217	0.0500	1	03/17/2021 17:45	WG1635501
Endrin	U		0.0161	0.0500	1	03/17/2021 17:45	WG1635501
Endrin aldehyde	U		0.0237	0.0500	1	03/17/2021 17:45	WG1635501
Endrin ketone	U		0.0219	0.0500	1	03/17/2021 17:45	WG1635501
Heptachlor	U		0.0148	0.0500	1	03/17/2021 17:45	WG1635501
Heptachlor epoxide	U		0.0183	0.0500	1	03/17/2021 17:45	WG1635501
Hexachlorobenzene	U		0.0176	0.0500	1	03/17/2021 17:45	WG1635501
Methoxychlor	U		0.0193	0.0500	1	03/17/2021 17:45	WG1635501
Toxaphene	U		0.168	0.500	1	03/17/2021 17:45	WG1635501
(S) Decachlorobiphenyl	50.3			10.0-128		03/17/2021 17:45	WG1635501
(S) Tetrachloro-m-xylene	58.5			10.0-127		03/17/2021 17:45	WG1635501

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.270	0.500	1	03/18/2021 06:56	WG1635501
PCB 1221	U		0.270	0.500	1	03/18/2021 06:56	WG1635501
PCB 1232	U		0.270	0.500	1	03/18/2021 06:56	WG1635501
PCB 1242	U		0.270	0.500	1	03/18/2021 06:56	WG1635501

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

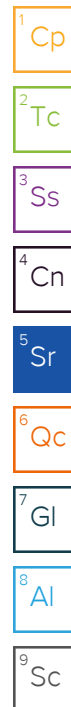
9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1248	U		0.173	0.500	1	03/18/2021 06:56	WG1635501
PCB 1254	U		0.173	0.500	1	03/18/2021 06:56	WG1635501
PCB 1260	U		0.173	0.500	1	03/18/2021 06:56	WG1635501
(S) Decachlorobiphenyl	45.4			10.0-128		03/18/2021 06:56	WG1635501
(S) Tetrachloro-m-xylene	83.1			10.0-127		03/18/2021 06:56	WG1635501

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0886	1.00	1	03/18/2021 05:51	WG1635417
Acenaphthylene	U		0.0921	1.00	1	03/18/2021 05:51	WG1635417
Anthracene	U		0.0804	1.00	1	03/18/2021 05:51	WG1635417
Benzo(a)anthracene	U		0.199	1.00	1	03/18/2021 05:51	WG1635417
Benzo(b)fluoranthene	U		0.130	1.00	1	03/18/2021 05:51	WG1635417
Benzo(k)fluoranthene	U		0.120	1.00	1	03/18/2021 05:51	WG1635417
Benzo(g,h,i)perylene	U		0.121	1.00	1	03/18/2021 05:51	WG1635417
Benzo(a)pyrene	U		0.0381	1.00	1	03/18/2021 05:51	WG1635417
Benzyl alcohol	U		0.563	10.0	1	03/18/2021 05:51	WG1635417
Bis(2-chlorethoxy)methane	U		0.116	10.0	1	03/18/2021 05:51	WG1635417
Bis(2-chloroethyl)ether	U		0.137	10.0	1	03/18/2021 05:51	WG1635417
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0	1	03/18/2021 05:51	WG1635417
4-Bromophenyl-phenylether	U		0.0877	10.0	1	03/18/2021 05:51	WG1635417
4-Chloroaniline	U		0.234	10.0	1	03/18/2021 05:51	WG1635417
2-Chloronaphthalene	U		0.0648	1.00	1	03/18/2021 05:51	WG1635417
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	03/18/2021 05:51	WG1635417
Chrysene	U		0.130	1.00	1	03/18/2021 05:51	WG1635417
Dibenz(a,h)anthracene	U		0.0644	1.00	1	03/18/2021 05:51	WG1635417
Dibenzofuran	U		0.0970	10.0	1	03/18/2021 05:51	WG1635417
3,3-Dichlorobenzidine	U		0.212	10.0	1	03/18/2021 05:51	WG1635417
2,4-Dinitrotoluene	U		0.0983	10.0	1	03/18/2021 05:51	WG1635417
2,6-Dinitrotoluene	U		0.250	10.0	1	03/18/2021 05:51	WG1635417
Fluoranthene	U		0.102	1.00	1	03/18/2021 05:51	WG1635417
Fluorene	U		0.0844	1.00	1	03/18/2021 05:51	WG1635417
Hexachlorobenzene	U		0.0755	1.00	1	03/18/2021 05:51	WG1635417
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	03/18/2021 05:51	WG1635417
Hexachlorocyclopentadiene	U		0.0598	10.0	1	03/18/2021 05:51	WG1635417
Hexachloroethane	U		0.127	10.0	1	03/18/2021 05:51	WG1635417
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	03/18/2021 05:51	WG1635417
Isophorone	U		0.143	10.0	1	03/18/2021 05:51	WG1635417
2-Methylnaphthalene	U		0.117	1.00	1	03/18/2021 05:51	WG1635417
Naphthalene	U		0.159	1.00	1	03/18/2021 05:51	WG1635417
2-Nitroaniline	U		0.102	10.0	1	03/18/2021 05:51	WG1635417
3-Nitroaniline	U		0.0869	10.0	1	03/18/2021 05:51	WG1635417
4-Nitroaniline	U		0.0910	10.0	1	03/18/2021 05:51	WG1635417
Nitrobenzene	U		0.297	10.0	1	03/18/2021 05:51	WG1635417
n-Nitrosodiphenylamine	U		2.37	10.0	1	03/18/2021 05:51	WG1635417
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	03/18/2021 05:51	WG1635417
Phenanthrene	U		0.112	1.00	1	03/18/2021 05:51	WG1635417
Benzylbutyl phthalate	U		0.765	3.00	1	03/18/2021 05:51	WG1635417
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	03/18/2021 05:51	WG1635417
Di-n-butyl phthalate	U		0.453	3.00	1	03/18/2021 05:51	WG1635417
Diethyl phthalate	U		0.287	3.00	1	03/18/2021 05:51	WG1635417
Dimethyl phthalate	U		0.260	3.00	1	03/18/2021 05:51	WG1635417
Di-n-octyl phthalate	U		0.932	3.00	1	03/18/2021 05:51	WG1635417
Pyrene	U		0.107	1.00	1	03/18/2021 05:51	WG1635417
1,2,4-Trichlorobenzene	U		0.0698	10.0	1	03/18/2021 05:51	WG1635417



Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.131	10.0	1	03/18/2021 05:51	WG1635417
2-Chlorophenol	U		0.133	10.0	1	03/18/2021 05:51	WG1635417
2-Methylphenol	U		0.0929	10.0	1	03/18/2021 05:51	WG1635417
3&4-Methyl Phenol	U		0.168	10.0	1	03/18/2021 05:51	WG1635417
2,4-Dichlorophenol	U		0.102	10.0	1	03/18/2021 05:51	WG1635417
2,4-Dimethylphenol	U		0.0636	10.0	1	03/18/2021 05:51	WG1635417
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	03/18/2021 05:51	WG1635417
2,4-Dinitrophenol	U		5.93	10.0	1	03/18/2021 05:51	WG1635417
2-Nitrophenol	U		0.117	10.0	1	03/18/2021 05:51	WG1635417
4-Nitrophenol	U		0.143	10.0	1	03/18/2021 05:51	WG1635417
Pentachlorophenol	U		0.313	10.0	1	03/18/2021 05:51	WG1635417
Phenol	U		4.33	10.0	1	03/18/2021 05:51	WG1635417
2,4,5-Trichlorophenol	U		0.109	10.0	1	03/18/2021 05:51	WG1635417
2,4,6-Trichlorophenol	U		0.100	10.0	1	03/18/2021 05:51	WG1635417
Acetophenone	U	J4	0.208	10.0	1	03/18/2021 05:51	WG1635417
2-Acetylaminofluorene	U		0.253	10.0	1	03/18/2021 15:46	WG1635417
4-Aminobiphenyl	U		0.461	10.0	1	03/18/2021 15:46	WG1635417
Chlorobenzilate	U		3.84	50.0	1	03/18/2021 15:46	WG1635417
Diallate	U		0.524	10.0	1	03/18/2021 15:46	WG1635417
Dinoseb	U		8.01	50.0	1	03/18/2021 15:46	WG1635417
Ethyl methanesulfonate	U		0.326	10.0	1	03/18/2021 15:46	WG1635417
Famphur	U		3.92	20.0	1	03/18/2021 15:46	WG1635417
Hexachloropropene	U		0.149	50.0	1	03/18/2021 15:46	WG1635417
Isodrin	U		4.11	10.0	1	03/18/2021 15:46	WG1635417
Isosafrole	U		3.88	10.0	1	03/18/2021 15:46	WG1635417
Kepone	U		2.66	20.0	1	03/18/2021 15:46	WG1635417
Methapyrilene	U		10.0	50.0	1	03/18/2021 15:46	WG1635417
3-Methylcholanthrene	U		0.164	10.0	1	03/18/2021 15:46	WG1635417
Methyl methanesulfonate	U		3.40	50.0	1	03/18/2021 15:46	WG1635417
Methyl parathion	U		0.213	10.0	1	03/18/2021 15:46	WG1635417
1,4-Naphthoquinone	U	J4	5.56	50.0	1	03/18/2021 15:46	WG1635417
1-Naphthylamine	U		0.289	10.0	1	03/18/2021 15:46	WG1635417
2-Naphthylamine	U		4.48	10.0	1	03/18/2021 15:46	WG1635417
n-Nitrosodi-n-butylamine	U		3.91	10.0	1	03/18/2021 15:46	WG1635417
n-Nitrosodiethylamine	U		3.57	10.0	1	03/18/2021 15:46	WG1635417
n-Nitrosodimethylamine	U		0.998	10.0	1	03/18/2021 05:51	WG1635417
n-Nitrosomethylethylamine	U		3.25	10.0	1	03/18/2021 15:46	WG1635417
N-Nitrosomorpholine	U		3.25	10.0	1	03/18/2021 15:46	WG1635417
n-Nitrosopiperidine	U		3.72	10.0	1	03/18/2021 15:46	WG1635417
n-Nitrosopyrrolidine	U		3.39	10.0	1	03/18/2021 15:46	WG1635417
5-Nitro-o-toluidine	U		1.99	10.0	1	03/18/2021 15:46	WG1635417
Ethyl Parathion	U		0.379	10.0	1	03/18/2021 15:46	WG1635417
Pentachlorobenzene	U		4.15	10.0	1	03/18/2021 15:46	WG1635417
Pentachloronitrobenzene	U		4.15	10.0	1	03/18/2021 15:46	WG1635417
Phenacetin	U		4.66	10.0	1	03/18/2021 15:46	WG1635417
p-Phenylenediamine	U	J4	387	6900	1	03/18/2021 15:46	WG1635417
Phorate	U		4.86	50.0	1	03/18/2021 15:46	WG1635417
Pronamide	U		4.21	10.0	1	03/18/2021 15:46	WG1635417
Dimethoate	U		5.05	50.0	1	03/18/2021 15:46	WG1635417
P-(Dimethylamino) Azobenzene	U		3.69	10.0	1	03/18/2021 15:46	WG1635417
Dimethylbenz (A) Anthracene	U		1.71	10.0	1	03/18/2021 15:46	WG1635417
3,3-Dimethylbenzidine	U		3.39	10.0	1	03/18/2021 15:46	WG1635417
1,3-Dinitrobenzene	U		0.359	10.0	1	03/18/2021 15:46	WG1635417
Diphenylamine	U		2.37	10.0	1	03/18/2021 05:51	WG1635417
Disulfoton	U		0.267	10.0	1	03/18/2021 15:46	WG1635417
Safrole	U		3.68	10.0	1	03/18/2021 15:46	WG1635417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Thionazin	U		4.07	10.0	1	03/18/2021 15:46	WG1635417
o-Toluidine	U		3.53	10.0	1	03/18/2021 15:46	WG1635417
O,O,O-Triethyl phosphorothioate	U		2.93	10.0	1	03/18/2021 15:46	WG1635417
1,3,5-Trinitrobenzene	U		1.32	10.0	1	03/18/2021 15:46	WG1635417
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	03/18/2021 05:51	WG1635417
2,6-Dichlorophenol	U		0.102	10.0	1	03/18/2021 15:46	WG1635417
2,3,4,6-Tetrachlorophenol	U		0.231	10.0	1	03/18/2021 05:51	WG1635417
(S) 2-Fluorophenol	40.9			10.0-120		03/18/2021 05:51	WG1635417
(S) Phenol-d5	27.3			10.0-120		03/18/2021 05:51	WG1635417
(S) Nitrobenzene-d5	66.3			10.0-127		03/18/2021 05:51	WG1635417
(S) 2-Fluorobiphenyl	85.7			10.0-130		03/18/2021 05:51	WG1635417
(S) 2,4,6-Tribromophenol	77.0			10.0-155		03/18/2021 05:51	WG1635417
(S) p-Terphenyl-d14	84.8			10.0-128		03/18/2021 05:51	WG1635417

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	357000		10000	1	03/17/2021 17:14	WG1635971

Wet Chemistry by Method 4500CN E-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Cyanide	U		1.80	5.00	1	03/19/2021 17:26	WG1637066

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	03/18/2021 16:32	WG1636306

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	9070		379	1000	1	03/20/2021 04:51	WG1637436
Sulfate	45200		594	5000	1	03/20/2021 04:51	WG1637436

Wet Chemistry by Method 9060A

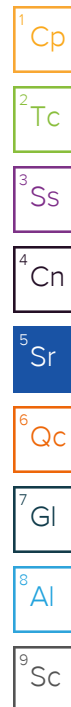
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1700	B	102	1000	1	03/22/2021 17:25	WG1638469

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	U		0.100	0.200	1	03/16/2021 15:36	WG1634673

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		1.03	4.00	1	03/18/2021 14:51	WG1636428
Arsenic	89.9		0.180	2.00	1	03/18/2021 14:51	WG1636428
Barium	427		0.381	20.0	1	03/18/2021 14:51	WG1636428
Beryllium	U		0.190	2.00	1	03/18/2021 14:51	WG1636428
Cadmium	U		0.150	1.00	1	03/18/2021 14:51	WG1636428
Chromium	U		1.24	2.00	1	03/18/2021 14:51	WG1636428
Copper	U		1.51	5.00	1	03/18/2021 14:51	WG1636428
Cobalt	0.464	J	0.0596	2.00	1	03/18/2021 14:51	WG1636428
Iron	17200		28.1	100	1	03/18/2021 14:51	WG1636428
Lead	U		0.849	2.00	1	03/18/2021 14:51	WG1636428
Manganese	2070		0.704	5.00	1	03/18/2021 14:51	WG1636428
Nickel	1.03	J	0.816	2.00	1	03/18/2021 14:51	WG1636428
Selenium	U		0.300	2.00	1	03/18/2021 14:51	WG1636428
Silver	U		0.0700	2.00	1	03/18/2021 14:51	WG1636428
Thallium	U		0.121	2.00	1	03/18/2021 14:51	WG1636428
Tin	U		0.655	2.00	1	03/18/2021 14:51	WG1636428
Vanadium	U		0.664	5.00	1	03/18/2021 14:51	WG1636428
Zinc	6.63	B J	3.02	25.0	1	03/18/2021 14:51	WG1636428



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	03/19/2021 07:00	WG1637036
Acrolein	U		2.54	50.0	1	03/19/2021 23:15	WG1637547
Acrylonitrile	U		0.671	10.0	1	03/19/2021 07:00	WG1637036
Benzene	U		0.0941	1.00	1	03/19/2021 07:00	WG1637036
Bromodichloromethane	U		0.136	1.00	1	03/19/2021 07:00	WG1637036
Bromochloromethane	U		0.128	1.00	1	03/19/2021 07:00	WG1637036
Bromoform	U		0.129	1.00	1	03/19/2021 07:00	WG1637036
Bromomethane	U		0.605	5.00	1	03/19/2021 07:00	WG1637036
Carbon disulfide	U		0.0962	1.00	1	03/19/2021 07:00	WG1637036
Carbon tetrachloride	U		0.128	1.00	1	03/19/2021 07:00	WG1637036
Chlorobenzene	U		0.116	1.00	1	03/19/2021 07:00	WG1637036
Chlorodibromomethane	U		0.140	1.00	1	03/19/2021 07:00	WG1637036
Chloroethane	U		0.192	5.00	1	03/19/2021 07:00	WG1637036
Chloroform	U		0.111	5.00	1	03/19/2021 07:00	WG1637036
Chloromethane	U		0.960	2.50	1	03/19/2021 07:00	WG1637036
1,2-Dibromoethane	U		0.126	1.00	1	03/19/2021 07:00	WG1637036
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/19/2021 07:00	WG1637036
Dibromomethane	U		0.122	1.00	1	03/19/2021 07:00	WG1637036
1,2-Dichlorobenzene	U		0.107	1.00	1	03/19/2021 07:00	WG1637036
1,3-Dichlorobenzene	U		0.110	1.00	1	03/19/2021 07:00	WG1637036
1,4-Dichlorobenzene	U		0.120	1.00	1	03/19/2021 07:00	WG1637036
Dichlorodifluoromethane	U		0.374	5.00	1	03/19/2021 07:00	WG1637036
1,1-Dichloroethane	U		0.100	1.00	1	03/19/2021 07:00	WG1637036
1,2-Dichloroethane	U		0.0819	1.00	1	03/19/2021 07:00	WG1637036
1,1-Dichloroethene	U		0.188	1.00	1	03/19/2021 07:00	WG1637036
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/19/2021 07:00	WG1637036
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/19/2021 07:00	WG1637036
1,2-Dichloropropane	U		0.149	1.00	1	03/19/2021 07:00	WG1637036
1,3-Dichloropropane	U		0.110	1.00	1	03/19/2021 07:00	WG1637036
2,2-Dichloropropane	U		0.161	1.00	1	03/19/2021 07:00	WG1637036
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/19/2021 07:00	WG1637036
trans-1,3-Dichloropropene	U	J4	0.118	1.00	1	03/19/2021 07:00	WG1637036
1,1-Dichloropropene	U		0.142	1.00	1	03/19/2021 07:00	WG1637036
Ethylbenzene	U		0.137	1.00	1	03/19/2021 07:00	WG1637036
2-Hexanone	U		0.787	10.0	1	03/19/2021 07:00	WG1637036
Iodomethane	U		6.00	10.0	1	03/19/2021 07:00	WG1637036
2-Butanone (MEK)	U		1.19	10.0	1	03/19/2021 07:00	WG1637036
Methylene Chloride	U		0.430	5.00	1	03/19/2021 07:00	WG1637036
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/19/2021 07:00	WG1637036
Styrene	U		0.118	1.00	1	03/19/2021 07:00	WG1637036
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/19/2021 07:00	WG1637036
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/19/2021 07:00	WG1637036
Tetrachloroethene	U		0.300	1.00	1	03/19/2021 07:00	WG1637036
Toluene	U		0.278	1.00	1	03/19/2021 07:00	WG1637036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/19/2021 07:00	WG1637036
1,1,1-Trichloroethane	U		0.149	1.00	1	03/19/2021 07:00	WG1637036
1,1,2-Trichloroethane	U		0.158	1.00	1	03/19/2021 07:00	WG1637036
Trichloroethene	U		0.190	1.00	1	03/19/2021 07:00	WG1637036
Trichlorofluoromethane	U		0.160	5.00	1	03/19/2021 07:00	WG1637036
1,2,3-Trichloropropane	U		0.237	2.50	1	03/19/2021 07:00	WG1637036
Vinyl acetate	U		0.692	10.0	1	03/19/2021 07:00	WG1637036
Vinyl chloride	U		0.234	1.00	1	03/19/2021 07:00	WG1637036
Xylenes, Total	U		0.174	3.00	1	03/19/2021 07:00	WG1637036
Acetonitrile	U		24.0	50.0	1	03/19/2021 07:00	WG1637036
Allyl chloride	U		0.500	5.00	1	03/19/2021 07:00	WG1637036
Chloroprene	U		1.45	50.0	1	03/19/2021 07:00	WG1637036

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/19/2021 07:00	WG1637036
Ethyl methacrylate	U		1.48	5.00	1	03/19/2021 07:00	WG1637036
Isobutanol	U		42.1	100	1	03/19/2021 07:00	WG1637036
Methacrylonitrile	U		14.2	50.0	1	03/19/2021 07:00	WG1637036
Methyl methacrylate	U		1.52	5.00	1	03/19/2021 07:00	WG1637036
Propionitrile	U		16.2	50.0	1	03/19/2021 07:00	WG1637036
(S) Toluene-d8	106			80.0-120		03/19/2021 07:00	WG1637036
(S) Toluene-d8	98.8			80.0-120		03/19/2021 23:15	WG1637547
(S) 4-Bromofluorobenzene	100			77.0-126		03/19/2021 07:00	WG1637036
(S) 4-Bromofluorobenzene	94.4			77.0-126		03/19/2021 23:15	WG1637547
(S) 1,2-Dichloroethane-d4	113			70.0-130		03/19/2021 07:00	WG1637036
(S) 1,2-Dichloroethane-d4	115			70.0-130		03/19/2021 23:15	WG1637547

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,4-D	U		1.00	2.00	1	03/17/2021 03:31	WG1631259
2,4,5-T	U		0.573	2.00	1	03/17/2021 03:31	WG1631259
2,4,5-TP (Silvex)	U		0.807	2.00	1	03/17/2021 03:31	WG1631259
(S) 2,4-DB-D3	103			70.0-130		03/17/2021 03:31	WG1631259

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Aldrin	U		0.0198	0.0500	1	03/17/2021 17:58	WG1635501
Alpha BHC	U		0.0172	0.0500	1	03/17/2021 17:58	WG1635501
Beta BHC	U		0.0208	0.0500	1	03/17/2021 17:58	WG1635501
Delta BHC	U		0.0150	0.0500	1	03/17/2021 17:58	WG1635501
Gamma BHC	U		0.0209	0.0500	1	03/17/2021 17:58	WG1635501
Chlordane	U		0.0198	5.00	1	03/17/2021 17:58	WG1635501
4,4-DDD	U		0.0177	0.0500	1	03/17/2021 17:58	WG1635501
4,4-DDE	U		0.0154	0.0500	1	03/17/2021 17:58	WG1635501
4,4-DDT	U		0.0198	0.0500	1	03/17/2021 17:58	WG1635501
Dieldrin	U		0.0162	0.0500	1	03/17/2021 17:58	WG1635501
Endosulfan I	U		0.0160	0.0500	1	03/17/2021 17:58	WG1635501
Endosulfan II	U		0.0164	0.0500	1	03/17/2021 17:58	WG1635501
Endosulfan sulfate	U		0.0217	0.0500	1	03/17/2021 17:58	WG1635501
Endrin	U		0.0161	0.0500	1	03/17/2021 17:58	WG1635501
Endrin aldehyde	U		0.0237	0.0500	1	03/17/2021 17:58	WG1635501
Endrin ketone	U		0.0219	0.0500	1	03/17/2021 17:58	WG1635501
Heptachlor	U		0.0148	0.0500	1	03/17/2021 17:58	WG1635501
Heptachlor epoxide	U		0.0183	0.0500	1	03/17/2021 17:58	WG1635501
Hexachlorobenzene	U		0.0176	0.0500	1	03/17/2021 17:58	WG1635501
Methoxychlor	U		0.0193	0.0500	1	03/17/2021 17:58	WG1635501
Toxaphene	U		0.168	0.500	1	03/17/2021 17:58	WG1635501
(S) Decachlorobiphenyl	61.9			10.0-128		03/17/2021 17:58	WG1635501
(S) Tetrachloro-m-xylene	57.7			10.0-127		03/17/2021 17:58	WG1635501

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.270	0.500	1	03/18/2021 07:05	WG1635501
PCB 1221	U		0.270	0.500	1	03/18/2021 07:05	WG1635501
PCB 1232	U		0.270	0.500	1	03/18/2021 07:05	WG1635501
PCB 1242	U		0.270	0.500	1	03/18/2021 07:05	WG1635501

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1248	U		0.173	0.500	1	03/18/2021 07:05	WG1635501
PCB 1254	U		0.173	0.500	1	03/18/2021 07:05	WG1635501
PCB 1260	U		0.173	0.500	1	03/18/2021 07:05	WG1635501
(S) Decachlorobiphenyl	48.2			10.0-128		03/18/2021 07:05	WG1635501
(S) Tetrachloro-m-xylene	82.1			10.0-127		03/18/2021 07:05	WG1635501

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0886	1.00	1	03/18/2021 06:13	WG1635417
Acenaphthylene	U		0.0921	1.00	1	03/18/2021 06:13	WG1635417
Anthracene	U		0.0804	1.00	1	03/18/2021 06:13	WG1635417
Benzo(a)anthracene	U		0.199	1.00	1	03/18/2021 06:13	WG1635417
Benzo(b)fluoranthene	U		0.130	1.00	1	03/18/2021 06:13	WG1635417
Benzo(k)fluoranthene	U		0.120	1.00	1	03/18/2021 06:13	WG1635417
Benzo(g,h,i)perylene	U		0.121	1.00	1	03/18/2021 06:13	WG1635417
Benzo(a)pyrene	U		0.0381	1.00	1	03/18/2021 06:13	WG1635417
Benzyl alcohol	U		0.563	10.0	1	03/18/2021 06:13	WG1635417
Bis(2-chlorethoxy)methane	U		0.116	10.0	1	03/18/2021 06:13	WG1635417
Bis(2-chloroethyl)ether	U		0.137	10.0	1	03/18/2021 06:13	WG1635417
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0	1	03/18/2021 06:13	WG1635417
4-Bromophenyl-phenylether	U		0.0877	10.0	1	03/18/2021 06:13	WG1635417
4-Chloroaniline	U		0.234	10.0	1	03/18/2021 06:13	WG1635417
2-Chloronaphthalene	U		0.0648	1.00	1	03/18/2021 06:13	WG1635417
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	03/18/2021 06:13	WG1635417
Chrysene	U		0.130	1.00	1	03/18/2021 06:13	WG1635417
Dibenz(a,h)anthracene	U		0.0644	1.00	1	03/18/2021 06:13	WG1635417
Dibenzofuran	U		0.0970	10.0	1	03/18/2021 06:13	WG1635417
3,3-Dichlorobenzidine	U		0.212	10.0	1	03/18/2021 06:13	WG1635417
2,4-Dinitrotoluene	U		0.0983	10.0	1	03/18/2021 06:13	WG1635417
2,6-Dinitrotoluene	U		0.250	10.0	1	03/18/2021 06:13	WG1635417
Fluoranthene	U		0.102	1.00	1	03/18/2021 06:13	WG1635417
Fluorene	U		0.0844	1.00	1	03/18/2021 06:13	WG1635417
Hexachlorobenzene	U		0.0755	1.00	1	03/18/2021 06:13	WG1635417
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	03/18/2021 06:13	WG1635417
Hexachlorocyclopentadiene	U		0.0598	10.0	1	03/18/2021 06:13	WG1635417
Hexachloroethane	U		0.127	10.0	1	03/18/2021 06:13	WG1635417
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	03/18/2021 06:13	WG1635417
Isophorone	U		0.143	10.0	1	03/18/2021 06:13	WG1635417
2-Methylnaphthalene	U		0.117	1.00	1	03/18/2021 06:13	WG1635417
Naphthalene	U		0.159	1.00	1	03/18/2021 06:13	WG1635417
2-Nitroaniline	U		0.102	10.0	1	03/18/2021 06:13	WG1635417
3-Nitroaniline	U		0.0869	10.0	1	03/18/2021 06:13	WG1635417
4-Nitroaniline	U		0.0910	10.0	1	03/18/2021 06:13	WG1635417
Nitrobenzene	U		0.297	10.0	1	03/18/2021 06:13	WG1635417
n-Nitrosodiphenylamine	U		2.37	10.0	1	03/18/2021 06:13	WG1635417
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	03/18/2021 06:13	WG1635417
Phenanthrene	U		0.112	1.00	1	03/18/2021 06:13	WG1635417
Benzylbutyl phthalate	U		0.765	3.00	1	03/18/2021 06:13	WG1635417
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	03/18/2021 06:13	WG1635417
Di-n-butyl phthalate	U		0.453	3.00	1	03/18/2021 06:13	WG1635417
Diethyl phthalate	U		0.287	3.00	1	03/18/2021 06:13	WG1635417
Dimethyl phthalate	U		0.260	3.00	1	03/18/2021 06:13	WG1635417
Di-n-octyl phthalate	U		0.932	3.00	1	03/18/2021 06:13	WG1635417
Pyrene	U		0.107	1.00	1	03/18/2021 06:13	WG1635417
1,2,4-Trichlorobenzene	U		0.0698	10.0	1	03/18/2021 06:13	WG1635417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.131	10.0	1	03/18/2021 06:13	WG1635417
2-Chlorophenol	U		0.133	10.0	1	03/18/2021 06:13	WG1635417
2-Methylphenol	U		0.0929	10.0	1	03/18/2021 06:13	WG1635417
3&4-Methyl Phenol	U		0.168	10.0	1	03/18/2021 06:13	WG1635417
2,4-Dichlorophenol	U		0.102	10.0	1	03/18/2021 06:13	WG1635417
2,4-Dimethylphenol	U		0.0636	10.0	1	03/18/2021 06:13	WG1635417
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	03/18/2021 06:13	WG1635417
2,4-Dinitrophenol	U		5.93	10.0	1	03/18/2021 06:13	WG1635417
2-Nitrophenol	U		0.117	10.0	1	03/18/2021 06:13	WG1635417
4-Nitrophenol	U		0.143	10.0	1	03/18/2021 06:13	WG1635417
Pentachlorophenol	U		0.313	10.0	1	03/18/2021 06:13	WG1635417
Phenol	U		4.33	10.0	1	03/18/2021 06:13	WG1635417
2,4,5-Trichlorophenol	U		0.109	10.0	1	03/18/2021 06:13	WG1635417
2,4,6-Trichlorophenol	U		0.100	10.0	1	03/18/2021 06:13	WG1635417
Acetophenone	U	J4	0.208	10.0	1	03/18/2021 06:13	WG1635417
2-Acetylaminofluorene	U		0.253	10.0	1	03/18/2021 16:05	WG1635417
4-Aminobiphenyl	U		0.461	10.0	1	03/18/2021 16:05	WG1635417
Chlorobenzilate	U		3.84	50.0	1	03/18/2021 16:05	WG1635417
Diallate	U		0.524	10.0	1	03/18/2021 16:05	WG1635417
Dinoseb	U		8.01	50.0	1	03/18/2021 16:05	WG1635417
Ethyl methanesulfonate	U		0.326	10.0	1	03/18/2021 16:05	WG1635417
Famphur	U		3.92	20.0	1	03/18/2021 16:05	WG1635417
Hexachloropropene	U		0.149	50.0	1	03/18/2021 16:05	WG1635417
Isodrin	U		4.11	10.0	1	03/18/2021 16:05	WG1635417
Isosafrole	U		3.88	10.0	1	03/18/2021 16:05	WG1635417
Kepone	U		2.66	20.0	1	03/18/2021 16:05	WG1635417
Methapyrilene	U		10.0	50.0	1	03/18/2021 16:05	WG1635417
3-Methylcholanthrene	U		0.164	10.0	1	03/18/2021 16:05	WG1635417
Methyl methanesulfonate	U		3.40	50.0	1	03/18/2021 16:05	WG1635417
Methyl parathion	U		0.213	10.0	1	03/18/2021 16:05	WG1635417
1,4-Naphthoquinone	U	J4	5.56	50.0	1	03/18/2021 16:05	WG1635417
1-Naphthylamine	U		0.289	10.0	1	03/18/2021 16:05	WG1635417
2-Naphthylamine	U		4.48	10.0	1	03/18/2021 16:05	WG1635417
n-Nitrosodi-n-butylamine	U		3.91	10.0	1	03/18/2021 16:05	WG1635417
n-Nitrosodiethylamine	U		3.57	10.0	1	03/18/2021 16:05	WG1635417
n-Nitrosodimethylamine	U		0.998	10.0	1	03/18/2021 06:13	WG1635417
n-Nitrosomethylethylamine	U		3.25	10.0	1	03/18/2021 16:05	WG1635417
N-Nitrosomorpholine	U		3.25	10.0	1	03/18/2021 16:05	WG1635417
n-Nitrosopiperidine	U		3.72	10.0	1	03/18/2021 16:05	WG1635417
n-Nitrosopyrrolidine	U		3.39	10.0	1	03/18/2021 16:05	WG1635417
5-Nitro-o-toluidine	U		1.99	10.0	1	03/18/2021 16:05	WG1635417
Ethyl Parathion	U		0.379	10.0	1	03/18/2021 16:05	WG1635417
Pentachlorobenzene	U		4.15	10.0	1	03/18/2021 16:05	WG1635417
Pentachloronitrobenzene	U		4.15	10.0	1	03/18/2021 16:05	WG1635417
Phenacetin	U		4.66	10.0	1	03/18/2021 16:05	WG1635417
p-Phenylenediamine	U	J4	387	6900	1	03/18/2021 16:05	WG1635417
Phorate	U		4.86	50.0	1	03/18/2021 16:05	WG1635417
Pronamide	U		4.21	10.0	1	03/18/2021 16:05	WG1635417
Dimethoate	U		5.05	50.0	1	03/18/2021 16:05	WG1635417
P-(Dimethylamino) Azobenzene	U		3.69	10.0	1	03/18/2021 16:05	WG1635417
Dimethylbenz (A) Anthracene	U		1.71	10.0	1	03/18/2021 16:05	WG1635417
3,3-Dimethylbenzidine	U		3.39	10.0	1	03/18/2021 16:05	WG1635417
1,3-Dinitrobenzene	U		0.359	10.0	1	03/18/2021 16:05	WG1635417
Diphenylamine	U		2.37	10.0	1	03/18/2021 06:13	WG1635417
Disulfoton	U		0.267	10.0	1	03/18/2021 16:05	WG1635417
Safrole	U		3.68	10.0	1	03/18/2021 16:05	WG1635417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Thionazin	U		4.07	10.0	1	03/18/2021 16:05	WG1635417
o-Toluidine	U		3.53	10.0	1	03/18/2021 16:05	WG1635417
O,O,O-Triethyl phosphorothioate	U		2.93	10.0	1	03/18/2021 16:05	WG1635417
1,3,5-Trinitrobenzene	U		1.32	10.0	1	03/18/2021 16:05	WG1635417
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	03/18/2021 06:13	WG1635417
2,6-Dichlorophenol	U		0.102	10.0	1	03/18/2021 16:05	WG1635417
2,3,4,6-Tetrachlorophenol	U		0.231	10.0	1	03/18/2021 06:13	WG1635417
(S) 2-Fluorophenol	42.2			10.0-120		03/18/2021 06:13	WG1635417
(S) Phenol-d5	27.5			10.0-120		03/18/2021 06:13	WG1635417
(S) Nitrobenzene-d5	67.0			10.0-127		03/18/2021 06:13	WG1635417
(S) 2-Fluorobiphenyl	84.7			10.0-130		03/18/2021 06:13	WG1635417
(S) 2,4,6-Tribromophenol	76.8			10.0-155		03/18/2021 06:13	WG1635417
(S) p-Terphenyl-d14	84.2			10.0-128		03/18/2021 06:13	WG1635417

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	476000		10000	1	03/18/2021 16:17	WG1636001

1 Cp

2 Tc

Wet Chemistry by Method 4500CN E-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Cyanide	U		1.80	5.00	1	03/19/2021 17:28	WG1637066

3 Ss

4 Cn

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	03/18/2021 16:33	WG1636306

5 Sr

6 Qc

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	30900		379	1000	1	03/20/2021 05:07	WG1637436
Sulfate	22700		594	5000	1	03/20/2021 05:07	WG1637436

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	3190	B	102	1000	1	03/22/2021 18:10	WG1638469

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	U		0.100	0.200	1	03/16/2021 15:38	WG1634673

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		1.03	4.00	1	03/18/2021 14:54	WG1636428
Arsenic	3.17		0.180	2.00	1	03/18/2021 14:54	WG1636428
Barium	304		0.381	20.0	1	03/18/2021 14:54	WG1636428
Beryllium	U		0.190	2.00	1	03/18/2021 14:54	WG1636428
Cadmium	U		0.150	1.00	1	03/18/2021 14:54	WG1636428
Chromium	U		1.24	2.00	1	03/18/2021 14:54	WG1636428
Copper	U		1.51	5.00	1	03/18/2021 14:54	WG1636428
Cobalt	0.492	J	0.0596	2.00	1	03/18/2021 14:54	WG1636428
Iron	7370		28.1	100	1	03/18/2021 14:54	WG1636428
Lead	U		0.849	2.00	1	03/18/2021 14:54	WG1636428
Manganese	801		0.704	5.00	1	03/18/2021 14:54	WG1636428
Nickel	4.92		0.816	2.00	1	03/18/2021 14:54	WG1636428
Selenium	U		0.300	2.00	1	03/18/2021 14:54	WG1636428
Silver	U		0.0700	2.00	1	03/18/2021 14:54	WG1636428
Thallium	U		0.121	2.00	1	03/18/2021 14:54	WG1636428
Tin	U		0.655	2.00	1	03/18/2021 14:54	WG1636428
Vanadium	U		0.664	5.00	1	03/18/2021 14:54	WG1636428
Zinc	4.95	B J	3.02	25.0	1	03/18/2021 14:54	WG1636428

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	03/19/2021 07:21	WG1637036
Acrolein	U		2.54	50.0	1	03/19/2021 23:36	WG1637547
Acrylonitrile	U		0.671	10.0	1	03/19/2021 07:21	WG1637036
Benzene	U		0.0941	1.00	1	03/19/2021 07:21	WG1637036
Bromodichloromethane	U		0.136	1.00	1	03/19/2021 07:21	WG1637036
Bromochloromethane	U		0.128	1.00	1	03/19/2021 07:21	WG1637036
Bromoform	U		0.129	1.00	1	03/19/2021 07:21	WG1637036
Bromomethane	U		0.605	5.00	1	03/19/2021 07:21	WG1637036
Carbon disulfide	U		0.0962	1.00	1	03/19/2021 07:21	WG1637036
Carbon tetrachloride	U		0.128	1.00	1	03/19/2021 07:21	WG1637036
Chlorobenzene	U		0.116	1.00	1	03/19/2021 07:21	WG1637036
Chlorodibromomethane	U		0.140	1.00	1	03/19/2021 07:21	WG1637036
Chloroethane	U		0.192	5.00	1	03/19/2021 07:21	WG1637036
Chloroform	U		0.111	5.00	1	03/19/2021 07:21	WG1637036
Chloromethane	U		0.960	2.50	1	03/19/2021 07:21	WG1637036
1,2-Dibromoethane	U		0.126	1.00	1	03/19/2021 07:21	WG1637036
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/19/2021 07:21	WG1637036
Dibromomethane	U		0.122	1.00	1	03/19/2021 07:21	WG1637036
1,2-Dichlorobenzene	U		0.107	1.00	1	03/19/2021 07:21	WG1637036
1,3-Dichlorobenzene	U		0.110	1.00	1	03/19/2021 07:21	WG1637036
1,4-Dichlorobenzene	U		0.120	1.00	1	03/19/2021 07:21	WG1637036
Dichlorodifluoromethane	U		0.374	5.00	1	03/19/2021 07:21	WG1637036
1,1-Dichloroethane	U		0.100	1.00	1	03/19/2021 07:21	WG1637036
1,2-Dichloroethane	U		0.0819	1.00	1	03/19/2021 07:21	WG1637036
1,1-Dichloroethene	U		0.188	1.00	1	03/19/2021 07:21	WG1637036
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/19/2021 07:21	WG1637036
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/19/2021 07:21	WG1637036
1,2-Dichloropropane	U		0.149	1.00	1	03/19/2021 07:21	WG1637036
1,3-Dichloropropane	U		0.110	1.00	1	03/19/2021 07:21	WG1637036
2,2-Dichloropropane	U		0.161	1.00	1	03/19/2021 07:21	WG1637036
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/19/2021 07:21	WG1637036
trans-1,3-Dichloropropene	U	J4	0.118	1.00	1	03/19/2021 07:21	WG1637036
1,1-Dichloropropene	U		0.142	1.00	1	03/19/2021 07:21	WG1637036
Ethylbenzene	U		0.137	1.00	1	03/19/2021 07:21	WG1637036
2-Hexanone	U		0.787	10.0	1	03/19/2021 07:21	WG1637036
Iodomethane	U		6.00	10.0	1	03/19/2021 07:21	WG1637036
2-Butanone (MEK)	U		1.19	10.0	1	03/19/2021 07:21	WG1637036
Methylene Chloride	U		0.430	5.00	1	03/19/2021 07:21	WG1637036
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/19/2021 07:21	WG1637036
Styrene	U		0.118	1.00	1	03/19/2021 07:21	WG1637036
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/19/2021 07:21	WG1637036
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/19/2021 07:21	WG1637036
Tetrachloroethene	U		0.300	1.00	1	03/19/2021 07:21	WG1637036
Toluene	U		0.278	1.00	1	03/19/2021 07:21	WG1637036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/19/2021 07:21	WG1637036
1,1,1-Trichloroethane	U		0.149	1.00	1	03/19/2021 07:21	WG1637036
1,1,2-Trichloroethane	U		0.158	1.00	1	03/19/2021 07:21	WG1637036
Trichloroethene	U		0.190	1.00	1	03/19/2021 07:21	WG1637036
Trichlorofluoromethane	U		0.160	5.00	1	03/19/2021 07:21	WG1637036
1,2,3-Trichloropropane	U		0.237	2.50	1	03/19/2021 07:21	WG1637036
Vinyl acetate	U		0.692	10.0	1	03/19/2021 07:21	WG1637036
Vinyl chloride	U		0.234	1.00	1	03/19/2021 07:21	WG1637036
Xylenes, Total	U		0.174	3.00	1	03/19/2021 07:21	WG1637036
Acetonitrile	U		24.0	50.0	1	03/19/2021 07:21	WG1637036
Allyl chloride	U		0.500	5.00	1	03/19/2021 07:21	WG1637036
Chloroprene	U		1.45	50.0	1	03/19/2021 07:21	WG1637036

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/19/2021 07:21	WG1637036
Ethyl methacrylate	U		1.48	5.00	1	03/19/2021 07:21	WG1637036
Isobutanol	U		42.1	100	1	03/19/2021 07:21	WG1637036
Methacrylonitrile	U		14.2	50.0	1	03/19/2021 07:21	WG1637036
Methyl methacrylate	U		1.52	5.00	1	03/19/2021 07:21	WG1637036
Propionitrile	U		16.2	50.0	1	03/19/2021 07:21	WG1637036
(S) Toluene-d8	107			80.0-120		03/19/2021 07:21	WG1637036
(S) Toluene-d8	102			80.0-120		03/19/2021 23:36	WG1637547
(S) 4-Bromofluorobenzene	104			77.0-126		03/19/2021 07:21	WG1637036
(S) 4-Bromofluorobenzene	103			77.0-126		03/19/2021 23:36	WG1637547
(S) 1,2-Dichloroethane-d4	113			70.0-130		03/19/2021 07:21	WG1637036
(S) 1,2-Dichloroethane-d4	116			70.0-130		03/19/2021 23:36	WG1637547

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,4-D	U		1.00	2.00	1	03/17/2021 03:48	WG1631259
2,4,5-T	U		0.573	2.00	1	03/17/2021 03:48	WG1631259
2,4,5-TP (Silvex)	U		0.807	2.00	1	03/17/2021 03:48	WG1631259
(S) 2,4-DB-D3	112			70.0-130		03/17/2021 03:48	WG1631259

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Aldrin	U		0.0198	0.0500	1	03/17/2021 18:10	WG1635501
Alpha BHC	U		0.0172	0.0500	1	03/17/2021 18:10	WG1635501
Beta BHC	U		0.0208	0.0500	1	03/17/2021 18:10	WG1635501
Delta BHC	U		0.0150	0.0500	1	03/17/2021 18:10	WG1635501
Gamma BHC	U		0.0209	0.0500	1	03/17/2021 18:10	WG1635501
Chlordane	U		0.0198	5.00	1	03/17/2021 18:10	WG1635501
4,4-DDD	U		0.0177	0.0500	1	03/17/2021 18:10	WG1635501
4,4-DDE	U		0.0154	0.0500	1	03/17/2021 18:10	WG1635501
4,4-DDT	U		0.0198	0.0500	1	03/17/2021 18:10	WG1635501
Dieldrin	U		0.0162	0.0500	1	03/17/2021 18:10	WG1635501
Endosulfan I	U		0.0160	0.0500	1	03/17/2021 18:10	WG1635501
Endosulfan II	U		0.0164	0.0500	1	03/17/2021 18:10	WG1635501
Endosulfan sulfate	U		0.0217	0.0500	1	03/17/2021 18:10	WG1635501
Endrin	U		0.0161	0.0500	1	03/17/2021 18:10	WG1635501
Endrin aldehyde	U		0.0237	0.0500	1	03/17/2021 18:10	WG1635501
Endrin ketone	U		0.0219	0.0500	1	03/17/2021 18:10	WG1635501
Heptachlor	U		0.0148	0.0500	1	03/17/2021 18:10	WG1635501
Heptachlor epoxide	U		0.0183	0.0500	1	03/17/2021 18:10	WG1635501
Hexachlorobenzene	U		0.0176	0.0500	1	03/17/2021 18:10	WG1635501
Methoxychlor	U		0.0193	0.0500	1	03/17/2021 18:10	WG1635501
Toxaphene	U		0.168	0.500	1	03/17/2021 18:10	WG1635501
(S) Decachlorobiphenyl	68.6			10.0-128		03/17/2021 18:10	WG1635501
(S) Tetrachloro-m-xylene	63.1			10.0-127		03/17/2021 18:10	WG1635501

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.270	0.500	1	03/18/2021 07:14	WG1635501
PCB 1221	U		0.270	0.500	1	03/18/2021 07:14	WG1635501
PCB 1232	U		0.270	0.500	1	03/18/2021 07:14	WG1635501
PCB 1242	U		0.270	0.500	1	03/18/2021 07:14	WG1635501

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1248	U		0.173	0.500	1	03/18/2021 07:14	WG1635501
PCB 1254	U		0.173	0.500	1	03/18/2021 07:14	WG1635501
PCB 1260	U		0.173	0.500	1	03/18/2021 07:14	WG1635501
(S) Decachlorobiphenyl	58.6			10.0-128		03/18/2021 07:14	WG1635501
(S) Tetrachloro-m-xylene	92.3			10.0-127		03/18/2021 07:14	WG1635501

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0886	1.00	1	03/18/2021 06:35	WG1635417
Acenaphthylene	U		0.0921	1.00	1	03/18/2021 06:35	WG1635417
Anthracene	U		0.0804	1.00	1	03/18/2021 06:35	WG1635417
Benzo(a)anthracene	U		0.199	1.00	1	03/18/2021 06:35	WG1635417
Benzo(b)fluoranthene	U		0.130	1.00	1	03/18/2021 06:35	WG1635417
Benzo(k)fluoranthene	U		0.120	1.00	1	03/18/2021 06:35	WG1635417
Benzo(g,h,i)perylene	U		0.121	1.00	1	03/18/2021 06:35	WG1635417
Benzo(a)pyrene	U		0.0381	1.00	1	03/18/2021 06:35	WG1635417
Benzyl alcohol	U		0.563	10.0	1	03/18/2021 06:35	WG1635417
Bis(2-chlorethoxy)methane	U		0.116	10.0	1	03/18/2021 06:35	WG1635417
Bis(2-chloroethyl)ether	U		0.137	10.0	1	03/18/2021 06:35	WG1635417
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0	1	03/18/2021 06:35	WG1635417
4-Bromophenyl-phenylether	U		0.0877	10.0	1	03/18/2021 06:35	WG1635417
4-Chloroaniline	U		0.234	10.0	1	03/18/2021 06:35	WG1635417
2-Chloronaphthalene	U		0.0648	1.00	1	03/18/2021 06:35	WG1635417
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	03/18/2021 06:35	WG1635417
Chrysene	U		0.130	1.00	1	03/18/2021 06:35	WG1635417
Dibenz(a,h)anthracene	U		0.0644	1.00	1	03/18/2021 06:35	WG1635417
Dibenzofuran	U		0.0970	10.0	1	03/18/2021 06:35	WG1635417
3,3-Dichlorobenzidine	U		0.212	10.0	1	03/18/2021 06:35	WG1635417
2,4-Dinitrotoluene	U		0.0983	10.0	1	03/18/2021 06:35	WG1635417
2,6-Dinitrotoluene	U		0.250	10.0	1	03/18/2021 06:35	WG1635417
Fluoranthene	U		0.102	1.00	1	03/18/2021 06:35	WG1635417
Fluorene	U		0.0844	1.00	1	03/18/2021 06:35	WG1635417
Hexachlorobenzene	U		0.0755	1.00	1	03/18/2021 06:35	WG1635417
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	03/18/2021 06:35	WG1635417
Hexachlorocyclopentadiene	U		0.0598	10.0	1	03/18/2021 06:35	WG1635417
Hexachloroethane	U		0.127	10.0	1	03/18/2021 06:35	WG1635417
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	03/18/2021 06:35	WG1635417
Isophorone	U		0.143	10.0	1	03/18/2021 06:35	WG1635417
2-Methylnaphthalene	U		0.117	1.00	1	03/18/2021 06:35	WG1635417
Naphthalene	U		0.159	1.00	1	03/18/2021 06:35	WG1635417
2-Nitroaniline	U		0.102	10.0	1	03/18/2021 06:35	WG1635417
3-Nitroaniline	U		0.0869	10.0	1	03/18/2021 06:35	WG1635417
4-Nitroaniline	U		0.0910	10.0	1	03/18/2021 06:35	WG1635417
Nitrobenzene	U		0.297	10.0	1	03/18/2021 06:35	WG1635417
n-Nitrosodiphenylamine	U		2.37	10.0	1	03/18/2021 06:35	WG1635417
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	03/18/2021 06:35	WG1635417
Phenanthrene	U		0.112	1.00	1	03/18/2021 06:35	WG1635417
Benzylbutyl phthalate	U		0.765	3.00	1	03/18/2021 06:35	WG1635417
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	03/18/2021 06:35	WG1635417
Di-n-butyl phthalate	U		0.453	3.00	1	03/18/2021 06:35	WG1635417
Diethyl phthalate	U		0.287	3.00	1	03/18/2021 06:35	WG1635417
Dimethyl phthalate	U		0.260	3.00	1	03/18/2021 06:35	WG1635417
Di-n-octyl phthalate	U		0.932	3.00	1	03/18/2021 06:35	WG1635417
Pyrene	U		0.107	1.00	1	03/18/2021 06:35	WG1635417
1,2,4-Trichlorobenzene	U		0.0698	10.0	1	03/18/2021 06:35	WG1635417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.131	10.0	1	03/18/2021 06:35	WG1635417
2-Chlorophenol	U		0.133	10.0	1	03/18/2021 06:35	WG1635417
2-Methylphenol	U		0.0929	10.0	1	03/18/2021 06:35	WG1635417
3&4-Methyl Phenol	U		0.168	10.0	1	03/18/2021 06:35	WG1635417
2,4-Dichlorophenol	U		0.102	10.0	1	03/18/2021 06:35	WG1635417
2,4-Dimethylphenol	U		0.0636	10.0	1	03/18/2021 06:35	WG1635417
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	03/18/2021 06:35	WG1635417
2,4-Dinitrophenol	U		5.93	10.0	1	03/18/2021 06:35	WG1635417
2-Nitrophenol	U		0.117	10.0	1	03/18/2021 06:35	WG1635417
4-Nitrophenol	U		0.143	10.0	1	03/18/2021 06:35	WG1635417
Pentachlorophenol	U		0.313	10.0	1	03/18/2021 06:35	WG1635417
Phenol	U		4.33	10.0	1	03/18/2021 06:35	WG1635417
2,4,5-Trichlorophenol	U		0.109	10.0	1	03/18/2021 06:35	WG1635417
2,4,6-Trichlorophenol	U		0.100	10.0	1	03/18/2021 06:35	WG1635417
Acetophenone	U	J4	0.208	10.0	1	03/18/2021 06:35	WG1635417
2-Acetylaminofluorene	U		0.253	10.0	1	03/18/2021 16:25	WG1635417
4-Aminobiphenyl	U		0.461	10.0	1	03/18/2021 16:25	WG1635417
Chlorobenzilate	U		3.84	50.0	1	03/18/2021 16:25	WG1635417
Diallate	U		0.524	10.0	1	03/18/2021 16:25	WG1635417
Dinoseb	U		8.01	50.0	1	03/18/2021 16:25	WG1635417
Ethyl methanesulfonate	U		0.326	10.0	1	03/18/2021 16:25	WG1635417
Famphur	U		3.92	20.0	1	03/18/2021 16:25	WG1635417
Hexachloropropene	U		0.149	50.0	1	03/18/2021 16:25	WG1635417
Isodrin	U		4.11	10.0	1	03/18/2021 16:25	WG1635417
Isosafrole	U		3.88	10.0	1	03/18/2021 16:25	WG1635417
Kepone	U		2.66	20.0	1	03/18/2021 16:25	WG1635417
Methapyrilene	U		10.0	50.0	1	03/18/2021 16:25	WG1635417
3-Methylcholanthrene	U		0.164	10.0	1	03/18/2021 16:25	WG1635417
Methyl methanesulfonate	U		3.40	50.0	1	03/18/2021 16:25	WG1635417
Methyl parathion	U		0.213	10.0	1	03/18/2021 16:25	WG1635417
1,4-Naphthoquinone	U	J4	5.56	50.0	1	03/18/2021 16:25	WG1635417
1-Naphthylamine	U		0.289	10.0	1	03/18/2021 16:25	WG1635417
2-Naphthylamine	U		4.48	10.0	1	03/18/2021 16:25	WG1635417
n-Nitrosodi-n-butylamine	U		3.91	10.0	1	03/18/2021 16:25	WG1635417
n-Nitrosodiethylamine	U		3.57	10.0	1	03/18/2021 16:25	WG1635417
n-Nitrosodimethylamine	U		0.998	10.0	1	03/18/2021 06:35	WG1635417
n-Nitrosomethylethylamine	U		3.25	10.0	1	03/18/2021 16:25	WG1635417
N-Nitrosomorpholine	U		3.25	10.0	1	03/18/2021 16:25	WG1635417
n-Nitrosopiperidine	U		3.72	10.0	1	03/18/2021 16:25	WG1635417
n-Nitrosopyrrolidine	U		3.39	10.0	1	03/18/2021 16:25	WG1635417
5-Nitro-o-toluidine	U		1.99	10.0	1	03/18/2021 16:25	WG1635417
Ethyl Parathion	U		0.379	10.0	1	03/18/2021 16:25	WG1635417
Pentachlorobenzene	U		4.15	10.0	1	03/18/2021 16:25	WG1635417
Pentachloronitrobenzene	U		4.15	10.0	1	03/18/2021 16:25	WG1635417
Phenacetin	U		4.66	10.0	1	03/18/2021 16:25	WG1635417
p-Phenylenediamine	U	J4	387	6900	1	03/18/2021 16:25	WG1635417
Phorate	U		4.86	50.0	1	03/18/2021 16:25	WG1635417
Pronamide	U		4.21	10.0	1	03/18/2021 16:25	WG1635417
Dimethoate	U		5.05	50.0	1	03/18/2021 16:25	WG1635417
P-(Dimethylamino) Azobenzene	U		3.69	10.0	1	03/18/2021 16:25	WG1635417
Dimethylbenz (A) Anthracene	U		1.71	10.0	1	03/18/2021 16:25	WG1635417
3,3-Dimethylbenzidine	U		3.39	10.0	1	03/18/2021 16:25	WG1635417
1,3-Dinitrobenzene	U		0.359	10.0	1	03/18/2021 16:25	WG1635417
Diphenylamine	U		2.37	10.0	1	03/18/2021 06:35	WG1635417
Disulfoton	U		0.267	10.0	1	03/18/2021 16:25	WG1635417
Safrole	U		3.68	10.0	1	03/18/2021 16:25	WG1635417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

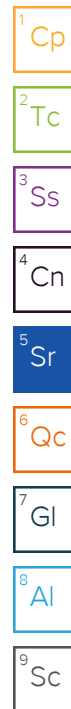
7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Thionazin	U		4.07	10.0	1	03/18/2021 16:25	WG1635417
o-Toluidine	U		3.53	10.0	1	03/18/2021 16:25	WG1635417
O,O,O-Triethyl phosphorothioate	U		2.93	10.0	1	03/18/2021 16:25	WG1635417
1,3,5-Trinitrobenzene	U		1.32	10.0	1	03/18/2021 16:25	WG1635417
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	03/18/2021 06:35	WG1635417
2,6-Dichlorophenol	U		0.102	10.0	1	03/18/2021 16:25	WG1635417
2,3,4,6-Tetrachlorophenol	U		0.231	10.0	1	03/18/2021 06:35	WG1635417
(S) 2-Fluorophenol	40.2			10.0-120		03/18/2021 06:35	WG1635417
(S) Phenol-d5	26.8			10.0-120		03/18/2021 06:35	WG1635417
(S) Nitrobenzene-d5	63.5			10.0-127		03/18/2021 06:35	WG1635417
(S) 2-Fluorobiphenyl	82.9			10.0-130		03/18/2021 06:35	WG1635417
(S) 2,4,6-Tribromophenol	73.5			10.0-155		03/18/2021 06:35	WG1635417
(S) p-Terphenyl-d14	82.6			10.0-128		03/18/2021 06:35	WG1635417



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	688000		13300	1	03/18/2021 16:17	WG1636001

Wet Chemistry by Method 4500CN E-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Cyanide	U		1.80	5.00	1	03/19/2021 17:29	WG1637066

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	03/18/2021 16:33	WG1636306

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	140000		1900	5000	5	03/20/2021 15:03	WG1637436
Sulfate	41400		594	5000	1	03/20/2021 05:24	WG1637436

Wet Chemistry by Method 9060A

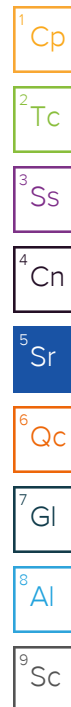
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2950	B	102	1000	1	03/22/2021 18:36	WG1638469

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	U		0.100	0.200	1	03/16/2021 15:40	WG1634673

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		1.03	4.00	1	03/18/2021 15:44	WG1636428
Arsenic	4.38		0.180	2.00	1	03/18/2021 15:44	WG1636428
Barium	275		0.381	20.0	1	03/18/2021 15:44	WG1636428
Beryllium	U		0.190	2.00	1	03/18/2021 15:44	WG1636428
Cadmium	U		0.150	1.00	1	03/18/2021 15:44	WG1636428
Chromium	U		1.24	2.00	1	03/18/2021 15:44	WG1636428
Copper	U		1.51	5.00	1	03/18/2021 15:44	WG1636428
Cobalt	1.45	J	0.0596	2.00	1	03/18/2021 15:44	WG1636428
Iron	3090		28.1	100	1	03/18/2021 15:44	WG1636428
Lead	U		0.849	2.00	1	03/18/2021 15:44	WG1636428
Manganese	688		0.704	5.00	1	03/18/2021 15:44	WG1636428
Nickel	15.0		0.816	2.00	1	03/18/2021 15:44	WG1636428
Selenium	0.318	J	0.300	2.00	1	03/18/2021 15:44	WG1636428
Silver	U		0.0700	2.00	1	03/18/2021 15:44	WG1636428
Thallium	U		0.121	2.00	1	03/18/2021 15:44	WG1636428
Tin	U		0.655	2.00	1	03/18/2021 15:44	WG1636428
Vanadium	U		0.664	5.00	1	03/18/2021 15:44	WG1636428
Zinc	7.17	B J	3.02	25.0	1	03/18/2021 15:44	WG1636428



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	03/19/2021 07:41	WG1637036
Acrolein	U		2.54	50.0	1	03/19/2021 23:57	WG1637547
Acrylonitrile	U		0.671	10.0	1	03/19/2021 07:41	WG1637036
Benzene	U		0.0941	1.00	1	03/19/2021 07:41	WG1637036
Bromodichloromethane	U		0.136	1.00	1	03/19/2021 07:41	WG1637036
Bromochloromethane	U		0.128	1.00	1	03/19/2021 07:41	WG1637036
Bromoform	U		0.129	1.00	1	03/19/2021 07:41	WG1637036
Bromomethane	U		0.605	5.00	1	03/19/2021 07:41	WG1637036
Carbon disulfide	U		0.0962	1.00	1	03/19/2021 07:41	WG1637036
Carbon tetrachloride	U		0.128	1.00	1	03/19/2021 07:41	WG1637036
Chlorobenzene	U		0.116	1.00	1	03/19/2021 07:41	WG1637036
Chlorodibromomethane	U		0.140	1.00	1	03/19/2021 07:41	WG1637036
Chloroethane	U		0.192	5.00	1	03/19/2021 07:41	WG1637036
Chloroform	U		0.111	5.00	1	03/19/2021 07:41	WG1637036
Chloromethane	U		0.960	2.50	1	03/19/2021 07:41	WG1637036
1,2-Dibromoethane	U		0.126	1.00	1	03/19/2021 07:41	WG1637036
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/19/2021 07:41	WG1637036
Dibromomethane	U		0.122	1.00	1	03/19/2021 07:41	WG1637036
1,2-Dichlorobenzene	U		0.107	1.00	1	03/19/2021 07:41	WG1637036
1,3-Dichlorobenzene	U		0.110	1.00	1	03/19/2021 07:41	WG1637036
1,4-Dichlorobenzene	U		0.120	1.00	1	03/19/2021 07:41	WG1637036
Dichlorodifluoromethane	U		0.374	5.00	1	03/19/2021 07:41	WG1637036
1,1-Dichloroethane	U		0.100	1.00	1	03/19/2021 07:41	WG1637036
1,2-Dichloroethane	U		0.0819	1.00	1	03/19/2021 07:41	WG1637036
1,1-Dichloroethene	U		0.188	1.00	1	03/19/2021 07:41	WG1637036
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/19/2021 07:41	WG1637036
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/19/2021 07:41	WG1637036
1,2-Dichloropropane	U		0.149	1.00	1	03/19/2021 07:41	WG1637036
1,3-Dichloropropane	U		0.110	1.00	1	03/19/2021 07:41	WG1637036
2,2-Dichloropropane	U		0.161	1.00	1	03/19/2021 07:41	WG1637036
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/19/2021 07:41	WG1637036
trans-1,3-Dichloropropene	U	J4	0.118	1.00	1	03/19/2021 07:41	WG1637036
1,1-Dichloropropene	U		0.142	1.00	1	03/19/2021 07:41	WG1637036
Ethylbenzene	U		0.137	1.00	1	03/19/2021 07:41	WG1637036
2-Hexanone	U		0.787	10.0	1	03/19/2021 07:41	WG1637036
Iodomethane	U		6.00	10.0	1	03/19/2021 07:41	WG1637036
2-Butanone (MEK)	U		1.19	10.0	1	03/19/2021 07:41	WG1637036
Methylene Chloride	U		0.430	5.00	1	03/19/2021 07:41	WG1637036
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/19/2021 07:41	WG1637036
Styrene	U		0.118	1.00	1	03/19/2021 07:41	WG1637036
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/19/2021 07:41	WG1637036
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/19/2021 07:41	WG1637036
Tetrachloroethene	U		0.300	1.00	1	03/19/2021 07:41	WG1637036
Toluene	U		0.278	1.00	1	03/19/2021 07:41	WG1637036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/19/2021 07:41	WG1637036
1,1,1-Trichloroethane	U		0.149	1.00	1	03/19/2021 07:41	WG1637036
1,1,2-Trichloroethane	U		0.158	1.00	1	03/19/2021 07:41	WG1637036
Trichloroethene	U		0.190	1.00	1	03/19/2021 07:41	WG1637036
Trichlorofluoromethane	U		0.160	5.00	1	03/19/2021 07:41	WG1637036
1,2,3-Trichloropropane	U		0.237	2.50	1	03/19/2021 07:41	WG1637036
Vinyl acetate	U		0.692	10.0	1	03/19/2021 07:41	WG1637036
Vinyl chloride	U		0.234	1.00	1	03/19/2021 07:41	WG1637036
Xylenes, Total	U		0.174	3.00	1	03/19/2021 07:41	WG1637036
Acetonitrile	U		24.0	50.0	1	03/19/2021 07:41	WG1637036
Allyl chloride	U		0.500	5.00	1	03/19/2021 07:41	WG1637036
Chloroprene	U		1.45	50.0	1	03/19/2021 07:41	WG1637036

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/19/2021 07:41	WG1637036
Ethyl methacrylate	U		1.48	5.00	1	03/19/2021 07:41	WG1637036
Isobutanol	U		42.1	100	1	03/19/2021 07:41	WG1637036
Methacrylonitrile	U		14.2	50.0	1	03/19/2021 07:41	WG1637036
Methyl methacrylate	U		1.52	5.00	1	03/19/2021 07:41	WG1637036
Propionitrile	U		16.2	50.0	1	03/19/2021 07:41	WG1637036
(S) Toluene-d8	106			80.0-120		03/19/2021 07:41	WG1637036
(S) Toluene-d8	103			80.0-120		03/19/2021 23:57	WG1637547
(S) 4-Bromofluorobenzene	99.9			77.0-126		03/19/2021 07:41	WG1637036
(S) 4-Bromofluorobenzene	99.1			77.0-126		03/19/2021 23:57	WG1637547
(S) 1,2-Dichloroethane-d4	114			70.0-130		03/19/2021 07:41	WG1637036
(S) 1,2-Dichloroethane-d4	114			70.0-130		03/19/2021 23:57	WG1637547

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,4-D	U		1.00	2.00	1	03/17/2021 04:06	WG1631259
2,4,5-T	U		0.573	2.00	1	03/17/2021 04:06	WG1631259
2,4,5-TP (Silvex)	U		0.807	2.00	1	03/17/2021 04:06	WG1631259
(S) 2,4-DB-D3	111			70.0-130		03/17/2021 04:06	WG1631259

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Aldrin	U		0.0198	0.0500	1	03/17/2021 18:22	WG1635501
Alpha BHC	U		0.0172	0.0500	1	03/17/2021 18:22	WG1635501
Beta BHC	U		0.0208	0.0500	1	03/17/2021 18:22	WG1635501
Delta BHC	U		0.0150	0.0500	1	03/17/2021 18:22	WG1635501
Gamma BHC	U		0.0209	0.0500	1	03/17/2021 18:22	WG1635501
Chlordane	U		0.0198	5.00	1	03/17/2021 18:22	WG1635501
4,4-DDD	U		0.0177	0.0500	1	03/17/2021 18:22	WG1635501
4,4-DDE	U		0.0154	0.0500	1	03/17/2021 18:22	WG1635501
4,4-DDT	U		0.0198	0.0500	1	03/17/2021 18:22	WG1635501
Dieldrin	U		0.0162	0.0500	1	03/17/2021 18:22	WG1635501
Endosulfan I	U		0.0160	0.0500	1	03/17/2021 18:22	WG1635501
Endosulfan II	U		0.0164	0.0500	1	03/17/2021 18:22	WG1635501
Endosulfan sulfate	U		0.0217	0.0500	1	03/17/2021 18:22	WG1635501
Endrin	U		0.0161	0.0500	1	03/17/2021 18:22	WG1635501
Endrin aldehyde	U		0.0237	0.0500	1	03/17/2021 18:22	WG1635501
Endrin ketone	U		0.0219	0.0500	1	03/17/2021 18:22	WG1635501
Heptachlor	U		0.0148	0.0500	1	03/17/2021 18:22	WG1635501
Heptachlor epoxide	U		0.0183	0.0500	1	03/17/2021 18:22	WG1635501
Hexachlorobenzene	U		0.0176	0.0500	1	03/17/2021 18:22	WG1635501
Methoxychlor	U		0.0193	0.0500	1	03/17/2021 18:22	WG1635501
Toxaphene	U		0.168	0.500	1	03/17/2021 18:22	WG1635501
(S) Decachlorobiphenyl	43.5			10.0-128		03/17/2021 18:22	WG1635501
(S) Tetrachloro-m-xylene	44.1			10.0-127		03/17/2021 18:22	WG1635501

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.270	0.500	1	03/18/2021 07:22	WG1635501
PCB 1221	U		0.270	0.500	1	03/18/2021 07:22	WG1635501
PCB 1232	U		0.270	0.500	1	03/18/2021 07:22	WG1635501
PCB 1242	U		0.270	0.500	1	03/18/2021 07:22	WG1635501

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1248	U		0.173	0.500	1	03/18/2021 07:22	WG1635501
PCB 1254	U		0.173	0.500	1	03/18/2021 07:22	WG1635501
PCB 1260	U		0.173	0.500	1	03/18/2021 07:22	WG1635501
(S) Decachlorobiphenyl	33.0			10.0-128		03/18/2021 07:22	WG1635501
(S) Tetrachloro-m-xylene	65.4			10.0-127		03/18/2021 07:22	WG1635501

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0886	1.00	1	03/18/2021 06:56	WG1635417
Acenaphthylene	U		0.0921	1.00	1	03/18/2021 06:56	WG1635417
Anthracene	U		0.0804	1.00	1	03/18/2021 06:56	WG1635417
Benzo(a)anthracene	U		0.199	1.00	1	03/18/2021 06:56	WG1635417
Benzo(b)fluoranthene	U		0.130	1.00	1	03/18/2021 06:56	WG1635417
Benzo(k)fluoranthene	U		0.120	1.00	1	03/18/2021 06:56	WG1635417
Benzo(g,h,i)perylene	U		0.121	1.00	1	03/18/2021 06:56	WG1635417
Benzo(a)pyrene	U		0.0381	1.00	1	03/18/2021 06:56	WG1635417
Benzyl alcohol	U		0.563	10.0	1	03/18/2021 06:56	WG1635417
Bis(2-chlorethoxy)methane	U		0.116	10.0	1	03/18/2021 06:56	WG1635417
Bis(2-chloroethyl)ether	U		0.137	10.0	1	03/18/2021 06:56	WG1635417
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0	1	03/18/2021 06:56	WG1635417
4-Bromophenyl-phenylether	U		0.0877	10.0	1	03/18/2021 06:56	WG1635417
4-Chloroaniline	U		0.234	10.0	1	03/18/2021 06:56	WG1635417
2-Chloronaphthalene	U		0.0648	1.00	1	03/18/2021 06:56	WG1635417
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	03/18/2021 06:56	WG1635417
Chrysene	U		0.130	1.00	1	03/18/2021 06:56	WG1635417
Dibenz(a,h)anthracene	U		0.0644	1.00	1	03/18/2021 06:56	WG1635417
Dibenzofuran	U		0.0970	10.0	1	03/18/2021 06:56	WG1635417
3,3-Dichlorobenzidine	U		0.212	10.0	1	03/18/2021 06:56	WG1635417
2,4-Dinitrotoluene	U		0.0983	10.0	1	03/18/2021 06:56	WG1635417
2,6-Dinitrotoluene	U		0.250	10.0	1	03/18/2021 06:56	WG1635417
Fluoranthene	U		0.102	1.00	1	03/18/2021 06:56	WG1635417
Fluorene	U		0.0844	1.00	1	03/18/2021 06:56	WG1635417
Hexachlorobenzene	U		0.0755	1.00	1	03/18/2021 06:56	WG1635417
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	03/18/2021 06:56	WG1635417
Hexachlorocyclopentadiene	U		0.0598	10.0	1	03/18/2021 06:56	WG1635417
Hexachloroethane	U		0.127	10.0	1	03/18/2021 06:56	WG1635417
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	03/18/2021 06:56	WG1635417
Isophorone	U		0.143	10.0	1	03/18/2021 06:56	WG1635417
2-Methylnaphthalene	U		0.117	1.00	1	03/18/2021 06:56	WG1635417
Naphthalene	U		0.159	1.00	1	03/18/2021 06:56	WG1635417
2-Nitroaniline	U		0.102	10.0	1	03/18/2021 06:56	WG1635417
3-Nitroaniline	U		0.0869	10.0	1	03/18/2021 06:56	WG1635417
4-Nitroaniline	U		0.0910	10.0	1	03/18/2021 06:56	WG1635417
Nitrobenzene	U		0.297	10.0	1	03/18/2021 06:56	WG1635417
n-Nitrosodiphenylamine	U		2.37	10.0	1	03/18/2021 06:56	WG1635417
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	03/18/2021 06:56	WG1635417
Phenanthrene	U		0.112	1.00	1	03/18/2021 06:56	WG1635417
Benzylbutyl phthalate	U		0.765	3.00	1	03/18/2021 06:56	WG1635417
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	03/18/2021 06:56	WG1635417
Di-n-butyl phthalate	U		0.453	3.00	1	03/18/2021 06:56	WG1635417
Diethyl phthalate	U		0.287	3.00	1	03/18/2021 06:56	WG1635417
Dimethyl phthalate	U		0.260	3.00	1	03/18/2021 06:56	WG1635417
Di-n-octyl phthalate	U		0.932	3.00	1	03/18/2021 06:56	WG1635417
Pyrene	U		0.107	1.00	1	03/18/2021 06:56	WG1635417
1,2,4-Trichlorobenzene	U		0.0698	10.0	1	03/18/2021 06:56	WG1635417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.131	10.0	1	03/18/2021 06:56	WG1635417
2-Chlorophenol	U		0.133	10.0	1	03/18/2021 06:56	WG1635417
2-Methylphenol	U		0.0929	10.0	1	03/18/2021 06:56	WG1635417
3&4-Methyl Phenol	U		0.168	10.0	1	03/18/2021 06:56	WG1635417
2,4-Dichlorophenol	U		0.102	10.0	1	03/18/2021 06:56	WG1635417
2,4-Dimethylphenol	U		0.0636	10.0	1	03/18/2021 06:56	WG1635417
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	03/18/2021 06:56	WG1635417
2,4-Dinitrophenol	U		5.93	10.0	1	03/18/2021 06:56	WG1635417
2-Nitrophenol	U		0.117	10.0	1	03/18/2021 06:56	WG1635417
4-Nitrophenol	U		0.143	10.0	1	03/18/2021 06:56	WG1635417
Pentachlorophenol	U		0.313	10.0	1	03/18/2021 06:56	WG1635417
Phenol	U		4.33	10.0	1	03/18/2021 06:56	WG1635417
2,4,5-Trichlorophenol	U		0.109	10.0	1	03/18/2021 06:56	WG1635417
2,4,6-Trichlorophenol	U		0.100	10.0	1	03/18/2021 06:56	WG1635417
Acetophenone	U	J4	0.208	10.0	1	03/18/2021 06:56	WG1635417
2-Acetylaminofluorene	U		0.253	10.0	1	03/18/2021 16:45	WG1635417
4-Aminobiphenyl	U		0.461	10.0	1	03/18/2021 16:45	WG1635417
Chlorobenzilate	U		3.84	50.0	1	03/18/2021 16:45	WG1635417
Diallate	U		0.524	10.0	1	03/18/2021 16:45	WG1635417
Dinoseb	U		8.01	50.0	1	03/18/2021 16:45	WG1635417
Ethyl methanesulfonate	U		0.326	10.0	1	03/18/2021 16:45	WG1635417
Famphur	U		3.92	20.0	1	03/18/2021 16:45	WG1635417
Hexachloropropene	U		0.149	50.0	1	03/18/2021 16:45	WG1635417
Isodrin	U		4.11	10.0	1	03/18/2021 16:45	WG1635417
Isosafrole	U		3.88	10.0	1	03/18/2021 16:45	WG1635417
Kepone	U		2.66	20.0	1	03/18/2021 16:45	WG1635417
Methapyrilene	U		10.0	50.0	1	03/18/2021 16:45	WG1635417
3-Methylcholanthrene	U		0.164	10.0	1	03/18/2021 16:45	WG1635417
Methyl methanesulfonate	U		3.40	50.0	1	03/18/2021 16:45	WG1635417
Methyl parathion	U		0.213	10.0	1	03/18/2021 16:45	WG1635417
1,4-Naphthoquinone	U	J4	5.56	50.0	1	03/18/2021 16:45	WG1635417
1-Naphthylamine	U		0.289	10.0	1	03/18/2021 16:45	WG1635417
2-Naphthylamine	U		4.48	10.0	1	03/18/2021 16:45	WG1635417
n-Nitrosodi-n-butylamine	U		3.91	10.0	1	03/18/2021 16:45	WG1635417
n-Nitrosodiethylamine	U		3.57	10.0	1	03/18/2021 16:45	WG1635417
n-Nitrosodimethylamine	U		0.998	10.0	1	03/18/2021 06:56	WG1635417
n-Nitrosomethylethylamine	U		3.25	10.0	1	03/18/2021 16:45	WG1635417
N-Nitrosomorpholine	U		3.25	10.0	1	03/18/2021 16:45	WG1635417
n-Nitrosopiperidine	U		3.72	10.0	1	03/18/2021 16:45	WG1635417
n-Nitrosopyrrolidine	U		3.39	10.0	1	03/18/2021 16:45	WG1635417
5-Nitro-o-toluidine	U		1.99	10.0	1	03/18/2021 16:45	WG1635417
Ethyl Parathion	U		0.379	10.0	1	03/18/2021 16:45	WG1635417
Pentachlorobenzene	U		4.15	10.0	1	03/18/2021 16:45	WG1635417
Pentachloronitrobenzene	U		4.15	10.0	1	03/18/2021 16:45	WG1635417
Phenacetin	U		4.66	10.0	1	03/18/2021 16:45	WG1635417
p-Phenylenediamine	U	J4	387	6900	1	03/18/2021 16:45	WG1635417
Phorate	U		4.86	50.0	1	03/18/2021 16:45	WG1635417
Pronamide	U		4.21	10.0	1	03/18/2021 16:45	WG1635417
Dimethoate	U		5.05	50.0	1	03/18/2021 16:45	WG1635417
P-(Dimethylamino) Azobenzene	U		3.69	10.0	1	03/18/2021 16:45	WG1635417
Dimethylbenz (A) Anthracene	U		1.71	10.0	1	03/18/2021 16:45	WG1635417
3,3-Dimethylbenzidine	U		3.39	10.0	1	03/18/2021 16:45	WG1635417
1,3-Dinitrobenzene	U		0.359	10.0	1	03/18/2021 16:45	WG1635417
Diphenylamine	U		2.37	10.0	1	03/18/2021 06:56	WG1635417
Disulfoton	U		0.267	10.0	1	03/18/2021 16:45	WG1635417
Safrole	U		3.68	10.0	1	03/18/2021 16:45	WG1635417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Thionazin	U		4.07	10.0	1	03/18/2021 16:45	WG1635417
o-Toluidine	U		3.53	10.0	1	03/18/2021 16:45	WG1635417
O,O,O-Triethyl phosphorothioate	U		2.93	10.0	1	03/18/2021 16:45	WG1635417
1,3,5-Trinitrobenzene	U		1.32	10.0	1	03/18/2021 16:45	WG1635417
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	03/18/2021 06:56	WG1635417
2,6-Dichlorophenol	U		0.102	10.0	1	03/18/2021 16:45	WG1635417
2,3,4,6-Tetrachlorophenol	U		0.231	10.0	1	03/18/2021 06:56	WG1635417
(S) 2-Fluorophenol	39.0			10.0-120		03/18/2021 06:56	WG1635417
(S) Phenol-d5	24.8			10.0-120		03/18/2021 06:56	WG1635417
(S) Nitrobenzene-d5	64.2			10.0-127		03/18/2021 06:56	WG1635417
(S) 2-Fluorobiphenyl	81.0			10.0-130		03/18/2021 06:56	WG1635417
(S) 2,4,6-Tribromophenol	74.9			10.0-155		03/18/2021 06:56	WG1635417
(S) p-Terphenyl-d14	81.2			10.0-128		03/18/2021 06:56	WG1635417

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10000	1	03/18/2021 16:17	WG1636001

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 4500CN E-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Cyanide	U		1.80	5.00	1	03/19/2021 17:30	WG1637066

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	03/18/2021 16:33	WG1636306

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	U		379	1000	1	03/20/2021 05:40	WG1637436
Sulfate	U		594	5000	1	03/20/2021 05:40	WG1637436

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	307	B J	102	1000	1	03/22/2021 18:49	WG1638469

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	U		0.100	0.200	1	03/16/2021 15:42	WG1634673

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		1.03	4.00	1	03/18/2021 15:47	WG1636428
Arsenic	U		0.180	2.00	1	03/18/2021 15:47	WG1636428
Barium	0.425	J	0.381	20.0	1	03/18/2021 15:47	WG1636428
Beryllium	U		0.190	2.00	1	03/18/2021 15:47	WG1636428
Cadmium	U		0.150	1.00	1	03/18/2021 15:47	WG1636428
Chromium	U		1.24	2.00	1	03/18/2021 15:47	WG1636428
Copper	U		1.51	5.00	1	03/18/2021 15:47	WG1636428
Cobalt	U		0.0596	2.00	1	03/18/2021 15:47	WG1636428
Iron	U		28.1	100	1	03/18/2021 15:47	WG1636428
Lead	U		0.849	2.00	1	03/18/2021 15:47	WG1636428
Manganese	1.39	J	0.704	5.00	1	03/18/2021 15:47	WG1636428
Nickel	U		0.816	2.00	1	03/18/2021 15:47	WG1636428
Selenium	U		0.300	2.00	1	03/18/2021 15:47	WG1636428
Silver	U		0.0700	2.00	1	03/18/2021 15:47	WG1636428
Thallium	U		0.121	2.00	1	03/18/2021 15:47	WG1636428
Tin	U		0.655	2.00	1	03/18/2021 15:47	WG1636428
Vanadium	U		0.664	5.00	1	03/18/2021 15:47	WG1636428
Zinc	7.59	B J	3.02	25.0	1	03/18/2021 15:47	WG1636428

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	03/19/2021 03:58	WG1637036
Acrolein	U		2.54	50.0	1	03/20/2021 00:18	WG1637547
Acrylonitrile	U		0.671	10.0	1	03/19/2021 03:58	WG1637036
Benzene	U		0.0941	1.00	1	03/19/2021 03:58	WG1637036
Bromodichloromethane	U		0.136	1.00	1	03/19/2021 03:58	WG1637036
Bromochloromethane	U		0.128	1.00	1	03/19/2021 03:58	WG1637036
Bromoform	U		0.129	1.00	1	03/19/2021 03:58	WG1637036
Bromomethane	U		0.605	5.00	1	03/19/2021 03:58	WG1637036
Carbon disulfide	U		0.0962	1.00	1	03/19/2021 03:58	WG1637036
Carbon tetrachloride	U		0.128	1.00	1	03/19/2021 03:58	WG1637036
Chlorobenzene	U		0.116	1.00	1	03/19/2021 03:58	WG1637036
Chlorodibromomethane	U		0.140	1.00	1	03/19/2021 03:58	WG1637036
Chloroethane	U		0.192	5.00	1	03/19/2021 03:58	WG1637036
Chloroform	U		0.111	5.00	1	03/19/2021 03:58	WG1637036
Chloromethane	U		0.960	2.50	1	03/19/2021 03:58	WG1637036
1,2-Dibromoethane	U		0.126	1.00	1	03/19/2021 03:58	WG1637036
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/19/2021 03:58	WG1637036
Dibromomethane	U		0.122	1.00	1	03/19/2021 03:58	WG1637036
1,2-Dichlorobenzene	U		0.107	1.00	1	03/19/2021 03:58	WG1637036
1,3-Dichlorobenzene	U		0.110	1.00	1	03/19/2021 03:58	WG1637036
1,4-Dichlorobenzene	U		0.120	1.00	1	03/19/2021 03:58	WG1637036
Dichlorodifluoromethane	U		0.374	5.00	1	03/19/2021 03:58	WG1637036
1,1-Dichloroethane	U		0.100	1.00	1	03/19/2021 03:58	WG1637036
1,2-Dichloroethane	U		0.0819	1.00	1	03/19/2021 03:58	WG1637036
1,1-Dichloroethene	U		0.188	1.00	1	03/19/2021 03:58	WG1637036
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/19/2021 03:58	WG1637036
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/19/2021 03:58	WG1637036
1,2-Dichloropropane	U		0.149	1.00	1	03/19/2021 03:58	WG1637036
1,3-Dichloropropane	U		0.110	1.00	1	03/19/2021 03:58	WG1637036
2,2-Dichloropropane	U		0.161	1.00	1	03/19/2021 03:58	WG1637036
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/19/2021 03:58	WG1637036
trans-1,3-Dichloropropene	U	J4	0.118	1.00	1	03/19/2021 03:58	WG1637036
1,1-Dichloropropene	U		0.142	1.00	1	03/19/2021 03:58	WG1637036
Ethylbenzene	U		0.137	1.00	1	03/19/2021 03:58	WG1637036
2-Hexanone	U		0.787	10.0	1	03/19/2021 03:58	WG1637036
Iodomethane	U		6.00	10.0	1	03/19/2021 03:58	WG1637036
2-Butanone (MEK)	U		1.19	10.0	1	03/19/2021 03:58	WG1637036
Methylene Chloride	U		0.430	5.00	1	03/19/2021 03:58	WG1637036
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/19/2021 03:58	WG1637036
Styrene	U		0.118	1.00	1	03/19/2021 03:58	WG1637036
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/19/2021 03:58	WG1637036
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/19/2021 03:58	WG1637036
Tetrachloroethene	U		0.300	1.00	1	03/19/2021 03:58	WG1637036
Toluene	U		0.278	1.00	1	03/19/2021 03:58	WG1637036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/19/2021 03:58	WG1637036
1,1,1-Trichloroethane	U		0.149	1.00	1	03/19/2021 03:58	WG1637036
1,1,2-Trichloroethane	U		0.158	1.00	1	03/19/2021 03:58	WG1637036
Trichloroethene	U		0.190	1.00	1	03/19/2021 03:58	WG1637036
Trichlorofluoromethane	U		0.160	5.00	1	03/19/2021 03:58	WG1637036
1,2,3-Trichloropropane	U		0.237	2.50	1	03/19/2021 03:58	WG1637036
Vinyl acetate	U		0.692	10.0	1	03/19/2021 03:58	WG1637036
Vinyl chloride	U		0.234	1.00	1	03/19/2021 03:58	WG1637036
Xylenes, Total	U		0.174	3.00	1	03/19/2021 03:58	WG1637036
Acetonitrile	U		24.0	50.0	1	03/19/2021 03:58	WG1637036
Allyl chloride	U		0.500	5.00	1	03/19/2021 03:58	WG1637036
Chloroprene	U		1.45	50.0	1	03/19/2021 03:58	WG1637036

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/19/2021 03:58	WG1637036
Ethyl methacrylate	U		1.48	5.00	1	03/19/2021 03:58	WG1637036
Isobutanol	U		42.1	100	1	03/19/2021 03:58	WG1637036
Methacrylonitrile	U		14.2	50.0	1	03/19/2021 03:58	WG1637036
Methyl methacrylate	U		1.52	5.00	1	03/19/2021 03:58	WG1637036
Propionitrile	U		16.2	50.0	1	03/19/2021 03:58	WG1637036
(S) Toluene-d8	108			80.0-120		03/19/2021 03:58	WG1637036
(S) Toluene-d8	98.2			80.0-120		03/20/2021 00:18	WG1637547
(S) 4-Bromofluorobenzene	106			77.0-126		03/19/2021 03:58	WG1637036
(S) 4-Bromofluorobenzene	95.3			77.0-126		03/20/2021 00:18	WG1637547
(S) 1,2-Dichloroethane-d4	109			70.0-130		03/19/2021 03:58	WG1637036
(S) 1,2-Dichloroethane-d4	115			70.0-130		03/20/2021 00:18	WG1637547

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

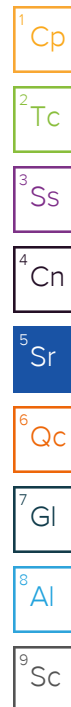
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,4-D	U		1.00	2.00	1	03/17/2021 04:23	WG1631259
2,4,5-T	U		0.573	2.00	1	03/17/2021 04:23	WG1631259
2,4,5-TP (Silvex)	U		0.807	2.00	1	03/17/2021 04:23	WG1631259
(S) 2,4-DB-D3	116			70.0-130		03/17/2021 04:23	WG1631259

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Aldrin	U		0.0198	0.0500	1	03/17/2021 18:35	WG1635501
Alpha BHC	U		0.0172	0.0500	1	03/17/2021 18:35	WG1635501
Beta BHC	U		0.0208	0.0500	1	03/17/2021 18:35	WG1635501
Delta BHC	U		0.0150	0.0500	1	03/17/2021 18:35	WG1635501
Gamma BHC	U		0.0209	0.0500	1	03/17/2021 18:35	WG1635501
Chlordane	U		0.0198	5.00	1	03/17/2021 18:35	WG1635501
4,4-DDD	U		0.0177	0.0500	1	03/17/2021 18:35	WG1635501
4,4-DDE	U		0.0154	0.0500	1	03/17/2021 18:35	WG1635501
4,4-DDT	U		0.0198	0.0500	1	03/17/2021 18:35	WG1635501
Dieldrin	U		0.0162	0.0500	1	03/17/2021 18:35	WG1635501
Endosulfan I	U		0.0160	0.0500	1	03/17/2021 18:35	WG1635501
Endosulfan II	U		0.0164	0.0500	1	03/17/2021 18:35	WG1635501
Endosulfan sulfate	U		0.0217	0.0500	1	03/17/2021 18:35	WG1635501
Endrin	U		0.0161	0.0500	1	03/17/2021 18:35	WG1635501
Endrin aldehyde	U		0.0237	0.0500	1	03/17/2021 18:35	WG1635501
Endrin ketone	U		0.0219	0.0500	1	03/17/2021 18:35	WG1635501
Heptachlor	U		0.0148	0.0500	1	03/17/2021 18:35	WG1635501
Heptachlor epoxide	U		0.0183	0.0500	1	03/17/2021 18:35	WG1635501
Hexachlorobenzene	U		0.0176	0.0500	1	03/17/2021 18:35	WG1635501
Methoxychlor	U		0.0193	0.0500	1	03/17/2021 18:35	WG1635501
Toxaphene	U		0.168	0.500	1	03/17/2021 18:35	WG1635501
(S) Decachlorobiphenyl	81.8			10.0-128		03/17/2021 18:35	WG1635501
(S) Tetrachloro-m-xylene	64.7			10.0-127		03/17/2021 18:35	WG1635501

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.270	0.500	1	03/18/2021 07:31	WG1635501
PCB 1221	U		0.270	0.500	1	03/18/2021 07:31	WG1635501
PCB 1232	U		0.270	0.500	1	03/18/2021 07:31	WG1635501
PCB 1242	U		0.270	0.500	1	03/18/2021 07:31	WG1635501



Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
PCB 1248	U		0.173	0.500	1	03/18/2021 07:31	WG1635501
PCB 1254	U		0.173	0.500	1	03/18/2021 07:31	WG1635501
PCB 1260	U		0.173	0.500	1	03/18/2021 07:31	WG1635501
(S) Decachlorobiphenyl	68.4			10.0-128		03/18/2021 07:31	WG1635501
(S) Tetrachloro-m-xylene	95.5			10.0-127		03/18/2021 07:31	WG1635501

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0886	1.00	1	03/18/2021 07:18	WG1635417
Acenaphthylene	U		0.0921	1.00	1	03/18/2021 07:18	WG1635417
Anthracene	U		0.0804	1.00	1	03/18/2021 07:18	WG1635417
Benzo(a)anthracene	U		0.199	1.00	1	03/18/2021 07:18	WG1635417
Benzo(b)fluoranthene	U		0.130	1.00	1	03/18/2021 07:18	WG1635417
Benzo(k)fluoranthene	U		0.120	1.00	1	03/18/2021 07:18	WG1635417
Benzo(g,h,i)perylene	U		0.121	1.00	1	03/18/2021 07:18	WG1635417
Benzo(a)pyrene	U		0.0381	1.00	1	03/18/2021 07:18	WG1635417
Benzyl alcohol	U		0.563	10.0	1	03/18/2021 07:18	WG1635417
Bis(2-chlorethoxy)methane	U		0.116	10.0	1	03/18/2021 07:18	WG1635417
Bis(2-chloroethyl)ether	U		0.137	10.0	1	03/18/2021 07:18	WG1635417
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0	1	03/18/2021 07:18	WG1635417
4-Bromophenyl-phenylether	U		0.0877	10.0	1	03/18/2021 07:18	WG1635417
4-Chloroaniline	U		0.234	10.0	1	03/18/2021 07:18	WG1635417
2-Chloronaphthalene	U		0.0648	1.00	1	03/18/2021 07:18	WG1635417
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	03/18/2021 07:18	WG1635417
Chrysene	U		0.130	1.00	1	03/18/2021 07:18	WG1635417
Dibenz(a,h)anthracene	U		0.0644	1.00	1	03/18/2021 07:18	WG1635417
Dibenzofuran	U		0.0970	10.0	1	03/18/2021 07:18	WG1635417
3,3-Dichlorobenzidine	U		0.212	10.0	1	03/18/2021 07:18	WG1635417
2,4-Dinitrotoluene	U		0.0983	10.0	1	03/18/2021 07:18	WG1635417
2,6-Dinitrotoluene	U		0.250	10.0	1	03/18/2021 07:18	WG1635417
Fluoranthene	U		0.102	1.00	1	03/18/2021 07:18	WG1635417
Fluorene	U		0.0844	1.00	1	03/18/2021 07:18	WG1635417
Hexachlorobenzene	U		0.0755	1.00	1	03/18/2021 07:18	WG1635417
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	03/18/2021 07:18	WG1635417
Hexachlorocyclopentadiene	U		0.0598	10.0	1	03/18/2021 07:18	WG1635417
Hexachloroethane	U		0.127	10.0	1	03/18/2021 07:18	WG1635417
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	03/18/2021 07:18	WG1635417
Isophorone	U		0.143	10.0	1	03/18/2021 07:18	WG1635417
2-Methylnaphthalene	U		0.117	1.00	1	03/18/2021 07:18	WG1635417
Naphthalene	U		0.159	1.00	1	03/18/2021 07:18	WG1635417
2-Nitroaniline	U		0.102	10.0	1	03/18/2021 07:18	WG1635417
3-Nitroaniline	U		0.0869	10.0	1	03/18/2021 07:18	WG1635417
4-Nitroaniline	U		0.0910	10.0	1	03/18/2021 07:18	WG1635417
Nitrobenzene	U		0.297	10.0	1	03/18/2021 07:18	WG1635417
n-Nitrosodiphenylamine	U		2.37	10.0	1	03/18/2021 07:18	WG1635417
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	03/18/2021 07:18	WG1635417
Phenanthrene	U		0.112	1.00	1	03/18/2021 07:18	WG1635417
Benzylbutyl phthalate	U		0.765	3.00	1	03/18/2021 07:18	WG1635417
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	03/18/2021 07:18	WG1635417
Di-n-butyl phthalate	U		0.453	3.00	1	03/18/2021 07:18	WG1635417
Diethyl phthalate	U		0.287	3.00	1	03/18/2021 07:18	WG1635417
Dimethyl phthalate	U		0.260	3.00	1	03/18/2021 07:18	WG1635417
Di-n-octyl phthalate	U		0.932	3.00	1	03/18/2021 07:18	WG1635417
Pyrene	U		0.107	1.00	1	03/18/2021 07:18	WG1635417
1,2,4-Trichlorobenzene	U		0.0698	10.0	1	03/18/2021 07:18	WG1635417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.131	10.0	1	03/18/2021 07:18	WG1635417
2-Chlorophenol	U		0.133	10.0	1	03/18/2021 07:18	WG1635417
2-Methylphenol	U		0.0929	10.0	1	03/18/2021 07:18	WG1635417
3&4-Methyl Phenol	U		0.168	10.0	1	03/18/2021 07:18	WG1635417
2,4-Dichlorophenol	U		0.102	10.0	1	03/18/2021 07:18	WG1635417
2,4-Dimethylphenol	U		0.0636	10.0	1	03/18/2021 07:18	WG1635417
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	03/18/2021 07:18	WG1635417
2,4-Dinitrophenol	U		5.93	10.0	1	03/18/2021 07:18	WG1635417
2-Nitrophenol	U		0.117	10.0	1	03/18/2021 07:18	WG1635417
4-Nitrophenol	U		0.143	10.0	1	03/18/2021 07:18	WG1635417
Pentachlorophenol	U		0.313	10.0	1	03/18/2021 07:18	WG1635417
Phenol	U		4.33	10.0	1	03/18/2021 07:18	WG1635417
2,4,5-Trichlorophenol	U		0.109	10.0	1	03/18/2021 07:18	WG1635417
2,4,6-Trichlorophenol	U		0.100	10.0	1	03/18/2021 07:18	WG1635417
Acetophenone	U	J4	0.208	10.0	1	03/18/2021 07:18	WG1635417
2-Acetylaminofluorene	U		0.253	10.0	1	03/18/2021 17:05	WG1635417
4-Aminobiphenyl	U		0.461	10.0	1	03/18/2021 17:05	WG1635417
Chlorobenzilate	U		3.84	50.0	1	03/18/2021 17:05	WG1635417
Diallate	U		0.524	10.0	1	03/18/2021 17:05	WG1635417
Dinoseb	U		8.01	50.0	1	03/18/2021 17:05	WG1635417
Ethyl methanesulfonate	U		0.326	10.0	1	03/18/2021 17:05	WG1635417
Famphur	U		3.92	20.0	1	03/18/2021 17:05	WG1635417
Hexachloropropene	U		0.149	50.0	1	03/18/2021 17:05	WG1635417
Isodrin	U		4.11	10.0	1	03/18/2021 17:05	WG1635417
Isosafrole	U		3.88	10.0	1	03/18/2021 17:05	WG1635417
Kepone	U		2.66	20.0	1	03/18/2021 17:05	WG1635417
Methapyrilene	U		10.0	50.0	1	03/18/2021 17:05	WG1635417
3-Methylcholanthrene	U		0.164	10.0	1	03/18/2021 17:05	WG1635417
Methyl methanesulfonate	U		3.40	50.0	1	03/18/2021 17:05	WG1635417
Methyl parathion	U		0.213	10.0	1	03/18/2021 17:05	WG1635417
1,4-Naphthoquinone	U	J4	5.56	50.0	1	03/18/2021 17:05	WG1635417
1-Naphthylamine	U		0.289	10.0	1	03/18/2021 17:05	WG1635417
2-Naphthylamine	U		4.48	10.0	1	03/18/2021 17:05	WG1635417
n-Nitrosodi-n-butylamine	U		3.91	10.0	1	03/18/2021 17:05	WG1635417
n-Nitrosodiethylamine	U		3.57	10.0	1	03/18/2021 17:05	WG1635417
n-Nitrosodimethylamine	U		0.998	10.0	1	03/18/2021 07:18	WG1635417
n-Nitrosomethylethylamine	U		3.25	10.0	1	03/18/2021 17:05	WG1635417
N-Nitrosomorpholine	U		3.25	10.0	1	03/18/2021 17:05	WG1635417
n-Nitrosopiperidine	U		3.72	10.0	1	03/18/2021 17:05	WG1635417
n-Nitrosopyrrolidine	U		3.39	10.0	1	03/18/2021 17:05	WG1635417
5-Nitro-o-toluidine	U		1.99	10.0	1	03/18/2021 17:05	WG1635417
Ethyl Parathion	U		0.379	10.0	1	03/18/2021 17:05	WG1635417
Pentachlorobenzene	U		4.15	10.0	1	03/18/2021 17:05	WG1635417
Pentachloronitrobenzene	U		4.15	10.0	1	03/18/2021 17:05	WG1635417
Phenacetin	U		4.66	10.0	1	03/18/2021 17:05	WG1635417
p-Phenylenediamine	U	J4	387	6900	1	03/18/2021 17:05	WG1635417
Phorate	U		4.86	50.0	1	03/18/2021 17:05	WG1635417
Pronamide	U		4.21	10.0	1	03/18/2021 17:05	WG1635417
Dimethoate	U		5.05	50.0	1	03/18/2021 17:05	WG1635417
P-(Dimethylamino) Azobenzene	U		3.69	10.0	1	03/18/2021 17:05	WG1635417
Dimethylbenz (A) Anthracene	U		1.71	10.0	1	03/18/2021 17:05	WG1635417
3,3-Dimethylbenzidine	U		3.39	10.0	1	03/18/2021 17:05	WG1635417
1,3-Dinitrobenzene	U		0.359	10.0	1	03/18/2021 17:05	WG1635417
Diphenylamine	U		2.37	10.0	1	03/18/2021 07:18	WG1635417
Disulfoton	U		0.267	10.0	1	03/18/2021 17:05	WG1635417
Safrole	U		3.68	10.0	1	03/18/2021 17:05	WG1635417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Thionazin	U		4.07	10.0	1	03/18/2021 17:05	WG1635417
o-Toluidine	U		3.53	10.0	1	03/18/2021 17:05	WG1635417
O,O,O-Triethyl phosphorothioate	U		2.93	10.0	1	03/18/2021 17:05	WG1635417
1,3,5-Trinitrobenzene	U		1.32	10.0	1	03/18/2021 17:05	WG1635417
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	03/18/2021 07:18	WG1635417
2,6-Dichlorophenol	U		0.102	10.0	1	03/18/2021 17:05	WG1635417
2,3,4,6-Tetrachlorophenol	U		0.231	10.0	1	03/18/2021 07:18	WG1635417
(S) 2-Fluorophenol	42.3			10.0-120		03/18/2021 07:18	WG1635417
(S) Phenol-d5	27.6			10.0-120		03/18/2021 07:18	WG1635417
(S) Nitrobenzene-d5	69.4			10.0-127		03/18/2021 07:18	WG1635417
(S) 2-Fluorobiphenyl	86.6			10.0-130		03/18/2021 07:18	WG1635417
(S) 2,4,6-Tribromophenol	74.9			10.0-155		03/18/2021 07:18	WG1635417
(S) p-Terphenyl-d14	85.1			10.0-128		03/18/2021 07:18	WG1635417

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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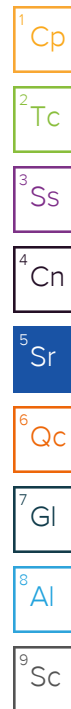
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SAMPLE RESULTS - 09

L1326688

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	03/19/2021 04:18	WG1637036
Acrolein	U		2.54	50.0	1	03/19/2021 20:29	WG1637547
Acrylonitrile	U		0.671	10.0	1	03/19/2021 04:18	WG1637036
Benzene	U		0.0941	1.00	1	03/19/2021 04:18	WG1637036
Bromodichloromethane	U		0.136	1.00	1	03/19/2021 04:18	WG1637036
Bromochloromethane	U		0.128	1.00	1	03/19/2021 04:18	WG1637036
Bromoform	U		0.129	1.00	1	03/19/2021 04:18	WG1637036
Bromomethane	U		0.605	5.00	1	03/19/2021 04:18	WG1637036
Carbon disulfide	U		0.0962	1.00	1	03/19/2021 04:18	WG1637036
Carbon tetrachloride	U		0.128	1.00	1	03/19/2021 04:18	WG1637036
Chlorobenzene	U		0.116	1.00	1	03/19/2021 04:18	WG1637036
Chlorodibromomethane	U		0.140	1.00	1	03/19/2021 04:18	WG1637036
Chloroethane	U		0.192	5.00	1	03/19/2021 04:18	WG1637036
Chloroform	U		0.111	5.00	1	03/19/2021 04:18	WG1637036
Chloromethane	U		0.960	2.50	1	03/19/2021 04:18	WG1637036
1,2-Dibromoethane	U		0.126	1.00	1	03/19/2021 04:18	WG1637036
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/19/2021 04:18	WG1637036
Dibromomethane	U		0.122	1.00	1	03/19/2021 04:18	WG1637036
1,2-Dichlorobenzene	U		0.107	1.00	1	03/19/2021 04:18	WG1637036
1,3-Dichlorobenzene	U		0.110	1.00	1	03/19/2021 04:18	WG1637036
1,4-Dichlorobenzene	U		0.120	1.00	1	03/19/2021 04:18	WG1637036
Dichlorodifluoromethane	U		0.374	5.00	1	03/19/2021 04:18	WG1637036
1,1-Dichloroethane	U		0.100	1.00	1	03/19/2021 04:18	WG1637036
1,2-Dichloroethane	U		0.0819	1.00	1	03/19/2021 04:18	WG1637036
1,1-Dichloroethene	U		0.188	1.00	1	03/19/2021 04:18	WG1637036
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/19/2021 04:18	WG1637036
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/19/2021 04:18	WG1637036
1,2-Dichloropropane	U		0.149	1.00	1	03/19/2021 04:18	WG1637036
1,3-Dichloropropane	U		0.110	1.00	1	03/19/2021 04:18	WG1637036
2,2-Dichloropropane	U		0.161	1.00	1	03/19/2021 04:18	WG1637036
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/19/2021 04:18	WG1637036
trans-1,3-Dichloropropene	U	J4	0.118	1.00	1	03/19/2021 04:18	WG1637036
1,1-Dichloropropene	U		0.142	1.00	1	03/19/2021 04:18	WG1637036
Ethylbenzene	U		0.137	1.00	1	03/19/2021 04:18	WG1637036
2-Hexanone	U		0.787	10.0	1	03/19/2021 04:18	WG1637036
Iodomethane	U		6.00	10.0	1	03/19/2021 04:18	WG1637036
2-Butanone (MEK)	U		1.19	10.0	1	03/19/2021 04:18	WG1637036
Methylene Chloride	U		0.430	5.00	1	03/19/2021 04:18	WG1637036
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/19/2021 04:18	WG1637036
Styrene	U		0.118	1.00	1	03/19/2021 04:18	WG1637036
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/19/2021 04:18	WG1637036
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/19/2021 04:18	WG1637036
Tetrachloroethene	U		0.300	1.00	1	03/19/2021 04:18	WG1637036
Toluene	U		0.278	1.00	1	03/19/2021 04:18	WG1637036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/19/2021 04:18	WG1637036
1,1,1-Trichloroethane	U		0.149	1.00	1	03/19/2021 04:18	WG1637036
1,1,2-Trichloroethane	U		0.158	1.00	1	03/19/2021 04:18	WG1637036
Trichloroethene	U		0.190	1.00	1	03/19/2021 04:18	WG1637036
Trichlorofluoromethane	U		0.160	5.00	1	03/19/2021 04:18	WG1637036
1,2,3-Trichloropropane	U		0.237	2.50	1	03/19/2021 04:18	WG1637036
Vinyl acetate	U		0.692	10.0	1	03/19/2021 04:18	WG1637036
Vinyl chloride	U		0.234	1.00	1	03/19/2021 04:18	WG1637036
Xylenes, Total	U		0.174	3.00	1	03/19/2021 04:18	WG1637036
Acetonitrile	U		24.0	50.0	1	03/19/2021 04:18	WG1637036
Allyl chloride	U		0.500	5.00	1	03/19/2021 04:18	WG1637036
Chloroprene	U		1.45	50.0	1	03/19/2021 04:18	WG1637036



ACCOUNT:

FTN Associates - Little Rock, AR

PROJECT:

04355-2495-001

SDG:

L1326688

DATE/TIME:

03/23/21 16:08

PAGE:

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Collected date/time: 03/11/21 00:00

SAMPLE RESULTS - 09

L1326688

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/19/2021 04:18	WG1637036
Ethyl methacrylate	U		1.48	5.00	1	03/19/2021 04:18	WG1637036
Isobutanol	U		42.1	100	1	03/19/2021 04:18	WG1637036
Methacrylonitrile	U		14.2	50.0	1	03/19/2021 04:18	WG1637036
Methyl methacrylate	U		1.52	5.00	1	03/19/2021 04:18	WG1637036
Propionitrile	U		16.2	50.0	1	03/19/2021 04:18	WG1637036
(S) Toluene-d8	108			80.0-120		03/19/2021 04:18	WG1637036
(S) Toluene-d8	98.2			80.0-120		03/19/2021 20:29	WG1637547
(S) 4-Bromofluorobenzene	104			77.0-126		03/19/2021 04:18	WG1637036
(S) 4-Bromofluorobenzene	92.5			77.0-126		03/19/2021 20:29	WG1637547
(S) 1,2-Dichloroethane-d4	113			70.0-130		03/19/2021 04:18	WG1637036
(S) 1,2-Dichloroethane-d4	114			70.0-130		03/19/2021 20:29	WG1637547

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

Method Blank (MB)

(MB) R3632406-1 03/17/21 17:14

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Dissolved Solids	U		10000	10000

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L1326688-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1326688-02 03/17/21 17:14 • (DUP) R3632406-3 03/17/21 17:14

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	560000	553000	1	1.26		5

L1326688-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1326688-03 03/17/21 17:14 • (DUP) R3632406-4 03/17/21 17:14

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	719000	716000	1	0.372		5

Laboratory Control Sample (LCS)

(LCS) R3632406-2 03/17/21 17:14

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Dissolved Solids	8800000	8620000	98.0	77.4-123	

Method Blank (MB)

(MB) R3632839-1 03/18/21 16:17

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Dissolved Solids	U		10000	10000

L1325547-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1325547-01 03/18/21 16:17 • (DUP) R3632839-3 03/18/21 16:17

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	577000	564000	1	2.34		5

L1325550-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1325550-01 03/18/21 16:17 • (DUP) R3632839-4 03/18/21 16:17

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	934000	938000	1	0.427		5

Laboratory Control Sample (LCS)

(LCS) R3632839-2 03/18/21 16:17

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Dissolved Solids	8800000	8480000	96.4	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3632833-1 03/19/21 17:08

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Cyanide	U		1.80	5.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1326688-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1326688-05 03/19/21 17:26 • (DUP) R3632833-5 03/19/21 17:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Cyanide	U	U	1	0.000		20

L1327536-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1327536-01 03/19/21 18:04 • (DUP) R3632833-8 03/19/21 18:07

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Cyanide	14.4	9.62	1	39.8	P1	20

Laboratory Control Sample (LCS)

(LCS) R3632833-2 03/19/21 17:09

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Cyanide	100	105	105	87.1-120	

L1326688-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1326688-03 03/19/21 19:56 • (MS) R3632833-9 03/19/21 19:57 • (MSD) R3632833-10 03/19/21 19:58

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Cyanide	100	U	103	83.1	103	83.1	1	90.0-110		J3 J6	21.4	20

Method Blank (MB)

(MB) R3632343-1 03/18/21 16:28

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Sulfide	U		25.0	50.0

L1326374-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1326374-01 03/18/21 16:28 • (DUP) R3632343-3 03/18/21 16:29

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	U	U	1	0.000		20

L1326688-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1326688-01 03/18/21 16:31 • (DUP) R3632343-6 03/18/21 16:31

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3632343-2 03/18/21 16:28

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	ug/l	ug/l	%	%	
Sulfide	500	556	111	85.0-115	

L1326374-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1326374-07 03/18/21 16:29 • (MS) R3632343-4 03/18/21 16:29 • (MSD) R3632343-5 03/18/21 16:30

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfide	1000	U	1000	1020	100	102	1	80.0-120			2.37	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3632986-1 03/20/21 01:02

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Chloride	U		379	1000
Sulfate	U		594	5000

L1326688-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1326688-01 03/20/21 02:07 • (DUP) R3632986-3 03/20/21 02:23

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	55300	56400	1	1.97		15
Sulfate	37500	37400	1	0.392		15

L1326734-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1326734-09 03/20/21 12:20 • (DUP) R3632986-9 03/20/21 12:37

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	37400	37800	20	1.05		15
Sulfate	U	U	20	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3632986-2 03/20/21 01:18

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	ug/l	ug/l	%	%	
Chloride	40000	40600	102	80.0-120	
Sulfate	40000	40500	101	80.0-120	

L1326688-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1326688-04 03/20/21 04:18 • (MS) R3632986-4 03/20/21 04:35

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>
Analyte	ug/l	ug/l	ug/l	%		%	
Chloride	50000	23800	71000	94.4	1	80.0-120	
Sulfate	50000	14500	61200	93.4	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1327494-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1327494-07 03/20/21 09:13 • (MS) R3632986-6 03/20/21 09:30 • (MSD) R3632986-7 03/20/21 09:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	5000	115000	158000	158000	86.3	86.6	10	80.0-120			0.0812	15
Sulfate	5000	518000	531000	533000	27.5	29.9	10	80.0-120	<u>V</u>	<u>V</u>	0.230	15

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3633329-1 03/20/21 15:45

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	340	⬇	102	1000

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3633329-5 03/21/21 00:05

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l			%		%
TOC (Total Organic Carbon)	2260		1	0.577		20

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3633329-6 03/21/21 02:22

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l			%		%
TOC (Total Organic Carbon)	47600		1	0.587		20

Laboratory Control Sample (LCS)

(LCS) R3633329-2 03/20/21 16:28

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	75000	76900	103	85.0-115	

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) • (MS) R3633329-3 03/20/21 20:29 • (MSD) R3633329-4 03/20/21 20:57

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l		ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	50000		64800	64800	101	101	1	80.0-120			0.0309	20

L1326688-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1326688-01 03/21/21 05:04 • (MS) R3633329-7 03/21/21 05:28 • (MSD) R3633329-8 03/21/21 05:49

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	50000	4220	55300	54200	102	100	1	80.0-120			1.84	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R3633649-1 03/22/21 13:59

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	880	⬇	102	1000

L1326688-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1326688-06 03/22/21 18:10 • (DUP) R3633649-5 03/22/21 18:24

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	3190	3030	1	5.15		20

L1327002-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1327002-01 03/22/21 22:59 • (DUP) R3633649-8 03/22/21 23:11

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	2470	2390	1	3.22		20

Laboratory Control Sample (LCS)

(LCS) R3633649-2 03/22/21 14:30

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	75000	76700	102	85.0-115	

L1326688-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1326688-05 03/22/21 17:25 • (MS) R3633649-3 03/22/21 17:40 • (MSD) R3633649-4 03/22/21 17:55

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	50000	1700	49100	51300	94.9	99.2	1	80.0-120			4.36	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3631364-1 03/16/21 15:18

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R3631364-2 03/16/21 15:24

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Mercury	3.00	2.72	90.8	80.0-120	

L1326688-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1326688-02 03/16/21 15:26 • (MS) R3631364-3 03/16/21 15:28 • (MSD) R3631364-4 03/16/21 15:30

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	U	2.96	2.90	98.6	96.5	1	75.0-125			2.11	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3631363-1 03/16/21 14:37

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R3631363-2 03/16/21 14:39

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Mercury	3.00	3.01	100	80.0-120	

L1326897-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1326897-12 03/16/21 14:41 • (MS) R3631363-3 03/16/21 14:43 • (MSD) R3631363-4 03/16/21 14:45

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	1.19	4.67	4.53	116	112	1	75.0-125			3.05	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3632240-1 03/18/21 13:27

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	20.0
Beryllium	U		0.190	2.00
Cadmium	U		0.150	1.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Iron	U		28.1	100
Lead	U		0.849	2.00
Manganese	U		0.704	5.00
Nickel	U		0.816	2.00
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Thallium	U		0.121	2.00
Tin	U		0.655	2.00
Vanadium	U		0.664	5.00
Zinc	3.52	J	3.02	25.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3632240-2 03/18/21 13:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	48.0	96.1	80.0-120	
Arsenic	50.0	47.0	94.0	80.0-120	
Barium	50.0	45.9	91.9	80.0-120	
Beryllium	50.0	53.4	107	80.0-120	
Cadmium	50.0	51.9	104	80.0-120	
Chromium	50.0	50.9	102	80.0-120	
Copper	50.0	48.9	97.7	80.0-120	
Cobalt	50.0	50.6	101	80.0-120	
Iron	5000	5310	106	80.0-120	
Lead	50.0	48.4	96.8	80.0-120	
Manganese	50.0	48.3	96.6	80.0-120	
Nickel	50.0	50.8	102	80.0-120	
Selenium	50.0	49.8	99.7	80.0-120	
Silver	50.0	48.3	96.6	80.0-120	
Thallium	50.0	46.8	93.6	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3632240-2 03/18/21 13:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Tin	50.0	47.3	94.6	80.0-120	
Vanadium	50.0	50.5	101	80.0-120	
Zinc	500	460	92.1	80.0-120	

L1325474-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1325474-01 03/18/21 13:34 • (MS) R3632240-4 03/18/21 13:41 • (MSD) R3632240-5 03/18/21 13:44

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	50.0	U	52.2	53.8	104	108	1	75.0-125			3.08	20
Arsenic	50.0	U	47.5	47.8	95.1	95.6	1	75.0-125			0.547	20
Barium	50.0	1200	1280	1270	156	130	1	75.0-125	V	V	1.04	20
Beryllium	50.0	U	52.7	53.6	105	107	1	75.0-125			1.63	20
Cadmium	50.0	U	53.3	53.5	107	107	1	75.0-125	V3	V3	0.250	20
Chromium	50.0	U	48.7	48.6	97.4	97.3	1	75.0-125			0.134	20
Copper	50.0	30.7	77.3	79.9	93.2	98.4	1	75.0-125			3.31	20
Cobalt	50.0	U	47.0	47.7	94.0	95.3	1	75.0-125			1.40	20
Iron	5000	139	4980	5120	96.9	99.6	1	75.0-125			2.64	20
Lead	50.0	U	52.7	52.5	105	105	1	75.0-125	V3	V3	0.317	20
Manganese	50.0	4.54	52.3	52.9	95.5	96.7	1	75.0-125			1.14	20
Nickel	50.0	U	46.9	45.8	93.7	91.6	1	75.0-125			2.35	20
Selenium	50.0	0.336	58.5	57.0	116	113	1	75.0-125			2.60	20
Silver	50.0	U	47.7	48.8	95.5	97.5	1	75.0-125			2.12	20
Thallium	50.0	U	49.3	49.7	98.7	99.5	1	75.0-125	V3	V3	0.785	20
Tin	50.0	U	50.5	49.5	101	99.0	1	75.0-125			2.01	20
Vanadium	50.0	U	50.2	50.1	100	100	1	75.0-125			0.188	20
Zinc	500	4.29	440	438	87.2	86.8	1	75.0-125			0.459	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3632740-3 03/19/21 03:38

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromodichloromethane	U		0.136	1.00
Bromochloromethane	U		0.128	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
trans-1,4-Dichloro-2-butene	U		0.467	2.50
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Ethylbenzene	U		0.137	1.00
2-Hexanone	U		0.787	10.0
Iodomethane	U		6.00	10.0
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Styrene	U		0.118	1.00

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3632740-3 03/19/21 03:38

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
Vinyl acetate	U		0.692	10.0
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
Allyl Chloride	U		0.500	5.00
Acetonitrile	U		24.0	50.0
Chloroprene	U		1.45	50.0
Ethyl methacrylate	U		1.48	5.00
Isobutanol	U		42.1	100
Methacrylonitrile	24.0	U	14.2	50.0
Methyl methacrylate	U		1.52	5.00
Propionitrile	U		16.2	50.0
(S) Toluene-d8	110			80.0-120
(S) 4-Bromofluorobenzene	100			77.0-126
(S) 1,2-Dichloroethane-d4	114			70.0-130

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3632740-1 03/19/21 02:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	25.8	103	19.0-160	
Acrylonitrile	25.0	27.7	111	55.0-149	
Benzene	5.00	4.52	90.4	70.0-123	
Bromodichloromethane	5.00	4.54	90.8	75.0-120	
Bromochloromethane	5.00	4.25	85.0	76.0-122	
Bromoform	5.00	3.75	75.0	68.0-132	
Bromomethane	5.00	5.11	102	10.0-160	
Carbon disulfide	5.00	4.47	89.4	61.0-128	
Carbon tetrachloride	5.00	4.98	99.6	68.0-126	

Laboratory Control Sample (LCS)

(LCS) R3632740-1 03/19/21 02:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Chlorobenzene	5.00	4.44	88.8	80.0-121	
Chlorodibromomethane	5.00	4.32	86.4	77.0-125	
Chloroethane	5.00	4.78	95.6	47.0-150	
Chloroform	5.00	4.82	96.4	73.0-120	
Chloromethane	5.00	4.77	95.4	41.0-142	
1,2-Dibromo-3-Chloropropane	5.00	3.82	76.4	58.0-134	
1,2-Dibromoethane	5.00	4.33	86.6	80.0-122	
Dibromomethane	5.00	4.82	96.4	80.0-120	
1,2-Dichlorobenzene	5.00	4.49	89.8	79.0-121	
1,3-Dichlorobenzene	5.00	4.24	84.8	79.0-120	
1,4-Dichlorobenzene	5.00	4.37	87.4	79.0-120	
trans-1,4-Dichloro-2-butene	5.00	3.28	65.6	33.0-144	
Dichlorodifluoromethane	5.00	4.38	87.6	51.0-149	
1,1-Dichloroethane	5.00	4.95	99.0	70.0-126	
1,2-Dichloroethane	5.00	5.16	103	70.0-128	
1,1-Dichloroethene	5.00	4.97	99.4	71.0-124	
cis-1,2-Dichloroethene	5.00	4.19	83.8	73.0-120	
trans-1,2-Dichloroethene	5.00	4.68	93.6	73.0-120	
1,2-Dichloropropane	5.00	4.93	98.6	77.0-125	
1,1-Dichloropropene	5.00	5.06	101	74.0-126	
1,3-Dichloropropane	5.00	4.25	85.0	80.0-120	
cis-1,3-Dichloropropene	5.00	4.45	89.0	80.0-123	
trans-1,3-Dichloropropene	5.00	3.80	76.0	78.0-124	J4
2,2-Dichloropropane	5.00	4.65	93.0	58.0-130	
Ethylbenzene	5.00	4.22	84.4	79.0-123	
2-Hexanone	25.0	21.9	87.6	67.0-149	
Iodomethane	25.0	23.1	92.4	33.0-147	
2-Butanone (MEK)	25.0	23.7	94.8	44.0-160	
Methylene Chloride	5.00	4.53	90.6	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	23.1	92.4	68.0-142	
Styrene	5.00	3.91	78.2	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.11	82.2	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.54	90.8	65.0-130	
Tetrachloroethene	5.00	4.70	94.0	72.0-132	
Toluene	5.00	4.38	87.6	79.0-120	
1,2,4-Trichlorobenzene	5.00	4.70	94.0	57.0-137	
1,1,1-Trichloroethane	5.00	4.68	93.6	73.0-124	
1,1,2-Trichloroethane	5.00	4.35	87.0	80.0-120	
Trichloroethene	5.00	4.54	90.8	78.0-124	
Trichlorofluoromethane	5.00	4.32	86.4	59.0-147	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3632740-1 03/19/21 02:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,2,3-Trichloropropane	5.00	4.71	94.2	73.0-130	
Vinyl acetate	25.0	25.8	103	11.0-160	
Vinyl chloride	5.00	4.53	90.6	67.0-131	
Xylenes, Total	15.0	13.1	87.3	79.0-123	
Allyl chloride	25.0	22.0	88.0	72.0-128	
(S) Toluene-d8			107	80.0-120	
(S) 4-Bromofluorobenzene			104	77.0-126	
(S) 1,2-Dichloroethane-d4			112	70.0-130	

Laboratory Control Sample (LCS)

(LCS) R3632740-2 03/19/21 02:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetonitrile	500	540	108	40.0-160	
Chloroprene	50.0	44.3	88.6	60.0-143	
Ethyl methacrylate	50.0	37.5	75.0	72.0-129	
Isobutanol	1000	1120	112	40.0-160	
Methacrylonitrile	500	453	90.6	61.0-145	
Methyl methacrylate	50.0	46.4	92.8	63.0-149	
Propionitrile	500	529	106	49.0-160	
(S) Toluene-d8			106	80.0-120	
(S) 4-Bromofluorobenzene			104	77.0-126	
(S) 1,2-Dichloroethane-d4			118	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3633010-2 03/19/21 14:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acrolein	U		2.54	50.0
(S) Toluene-d8	101			80.0-120
(S) 4-Bromofluorobenzene	97.3			77.0-126
(S) 1,2-Dichloroethane-d4	117			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3633010-1 03/19/21 13:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrolein	25.0	31.1	124	10.0-160	
(S) Toluene-d8			99.3	80.0-120	
(S) 4-Bromofluorobenzene			96.9	77.0-126	
(S) 1,2-Dichloroethane-d4			116	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3631544-2 03/16/21 21:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
2,4-D	U		1.00	2.00
2,4,5-T	U		0.573	2.00
2,4,5-TP (Silvex)	U		0.807	2.00
(S) 2,4-DB-D3	106			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3631544-1 03/16/21 21:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-D	20.0	20.1	101	70.0-130	
2,4,5-T	20.0	21.5	108	70.0-130	
2,4,5-TP (Silvex)	20.0	21.5	108	70.0-130	
(S) 2,4-DB-D3			99.5	70.0-130	

L1325625-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1325625-01 03/16/21 23:06 • (MS) R3631544-3 03/16/21 23:24 • (MSD) R3631544-4 03/16/21 23:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,4-D	20.0	U	19.9	18.7	99.5	93.5	1	70.0-130			6.22	30
2,4,5-T	20.0	U	21.5	20.4	108	102	1	70.0-130			5.25	30
2,4,5-TP (Silvex)	20.0	U	22.0	20.8	110	104	1	70.0-130			5.61	30
(S) 2,4-DB-D3					109	98.0		70.0-130				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3632243-1 03/17/21 15:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Aldrin	U		0.0198	0.0500
Alpha BHC	U		0.0172	0.0500
Beta BHC	U		0.0208	0.0500
Delta BHC	U		0.0150	0.0500
Gamma BHC	U		0.0209	0.0500
4,4-DDD	U		0.0177	0.0500
4,4-DDE	U		0.0154	0.0500
4,4-DDT	U		0.0198	0.0500
Dieldrin	U		0.0162	0.0500
Endosulfan I	U		0.0160	0.0500
Endosulfan II	U		0.0164	0.0500
Endosulfan sulfate	U		0.0217	0.0500
Endrin	U		0.0161	0.0500
Endrin aldehyde	U		0.0237	0.0500
Endrin ketone	U		0.0219	0.0500
Heptachlor	U		0.0148	0.0500
Heptachlor epoxide	U		0.0183	0.0500
Hexachlorobenzene	U		0.0176	0.0500
Methoxychlor	U		0.0193	0.0500
Chlordane	U		0.0198	5.00
Toxaphene	U		0.168	0.500
(S) Decachlorobiphenyl	54.0			10.0-128
(S) Tetrachloro-m-xylene	63.2			10.0-127

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3632243-2 03/17/21 15:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	1.00	0.826	82.6	22.0-124	
Alpha BHC	1.00	0.925	92.5	54.0-130	
Beta BHC	1.00	1.02	102	53.0-136	
Delta BHC	1.00	0.953	95.3	54.0-133	
Gamma BHC	1.00	0.977	97.7	55.0-129	
4,4-DDD	1.00	1.08	108	56.0-140	
4,4-DDE	1.00	0.918	91.8	52.0-128	
4,4-DDT	1.00	0.660	66.0	50.0-141	
Dieldrin	1.00	1.15	115	59.0-133	
Endosulfan I	1.00	1.08	108	57.0-131	

Laboratory Control Sample (LCS)

(LCS) R3632243-2 03/17/21 15:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	1.00	1.30	130	58.0-133	
Endosulfan sulfate	1.00	1.14	114	58.0-133	
Endrin	1.00	0.997	99.7	57.0-134	
Endrin aldehyde	1.00	1.19	119	53.0-129	
Endrin ketone	1.00	1.13	113	60.0-145	
Heptachlor	1.00	0.774	77.4	27.0-132	
Heptachlor epoxide	1.00	1.12	112	57.0-130	
Hexachlorobenzene	1.00	0.977	97.7	30.0-114	
Methoxychlor	1.00	0.890	89.0	54.0-155	
(S) Decachlorobiphenyl			40.1	10.0-128	
(S) Tetrachloro-m-xylene			80.0	10.0-127	

L1327173-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1327173-01 03/17/21 19:12 • (MS) R3632243-3 03/17/21 19:24 • (MSD) R3632243-4 03/17/21 19:37

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aldrin	1.00	U	0.620	0.525	62.0	52.5	1	10.0-141			16.6	40
Alpha BHC	1.00	U	0.690	0.658	69.0	65.8	1	10.0-145			4.75	40
Beta BHC	1.00	U	0.777	0.761	77.7	76.1	1	14.0-146			2.08	35
Delta BHC	1.00	U	0.706	0.682	70.6	68.2	1	17.0-143			3.46	38
Gamma BHC	1.00	U	0.737	0.715	73.7	71.5	1	14.0-141			3.03	40
4,4-DDD	1.00	U	0.834	0.763	83.4	76.3	1	10.0-160			8.89	38
4,4-DDE	1.00	U	0.656	0.589	65.6	58.9	1	10.0-159			10.8	35
4,4-DDT	1.00	U	0.534	0.537	53.4	53.7	1	10.0-160			0.560	38
Dieldrin	1.00	U	0.852	0.829	85.2	82.9	1	10.0-158			2.74	38
Endosulfan I	1.00	U	0.866	0.823	86.6	82.3	1	10.0-153			5.09	36
Endosulfan II	1.00	U	1.04	0.999	104	99.9	1	10.0-159			4.02	39
Endosulfan sulfate	1.00	U	0.919	0.901	91.9	90.1	1	23.0-147			1.98	35
Endrin	1.00	U	0.832	0.837	83.2	83.7	1	10.0-160			0.599	39
Endrin aldehyde	1.00	U	0.904	0.885	90.4	88.5	1	10.0-148			2.12	38
Heptachlor	1.00	U	0.635	0.573	63.5	57.3	1	16.0-136			10.3	40
Heptachlor epoxide	1.00	U	0.884	0.857	88.4	85.7	1	10.0-160			3.10	36
Endrin ketone	1.00	U	0.921	0.895	92.1	89.5	1	10.0-160			2.86	40
Hexachlorobenzene	1.00	U	0.757	0.675	75.7	67.5	1	10.0-130			11.5	40
Methoxychlor	1.00	U	0.793	0.821	79.3	82.1	1	10.0-160			3.47	34
(S) Decachlorobiphenyl					51.8	43.8		10.0-128				
(S) Tetrachloro-m-xylene					54.8	46.8		10.0-127				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3632091-1 03/18/21 02:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
PCB 1260	U		0.173	0.500
PCB 1016	U		0.270	0.500
PCB 1221	U		0.270	0.500
PCB 1232	U		0.270	0.500
PCB 1242	U		0.270	0.500
PCB 1248	U		0.173	0.500
PCB 1254	U		0.173	0.500
(S) Decachlorobiphenyl	37.8			10.0-128
(S) Tetrachloro-m-xylene	81.1			10.0-127

Laboratory Control Sample (LCS)

(LCS) R3632091-2 03/18/21 03:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1260	2.50	2.29	91.6	42.0-131	
PCB 1016	2.50	2.27	90.8	36.0-135	
(S) Decachlorobiphenyl			24.1	10.0-128	
(S) Tetrachloro-m-xylene			78.4	10.0-127	

L1326843-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1326843-01 03/18/21 07:57 • (MS) R3632091-3 03/18/21 08:06 • (MSD) R3632091-4 03/18/21 08:15

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1260	2.50	U	2.85	2.86	114	114	1	20.0-142			0.350	27
PCB 1016	2.50	U	2.77	2.97	111	119	1	11.0-160			6.97	38
(S) Decachlorobiphenyl					74.4	66.7		10.0-128				
(S) Tetrachloro-m-xylene					92.2	96.7		10.0-127				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3632197-2 03/17/21 23:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acenaphthene	U		0.0886	1.00
Acenaphthylene	U		0.0921	1.00
Anthracene	U		0.0804	1.00
Benzo(a)anthracene	U		0.199	1.00
Benzo(b)fluoranthene	U		0.130	1.00
Benzo(k)fluoranthene	U		0.120	1.00
Benzo(g,h,i)perylene	U		0.121	1.00
Benzo(a)pyrene	U		0.0381	1.00
Bis(2-chlorethoxy)methane	U		0.116	10.0
Bis(2-chloroethyl)ether	U		0.137	10.0
2,2-oxybis(1-chloropropane)	U		0.210	10.0
4-Bromophenyl-phenylether	U		0.0877	10.0
2-Chloronaphthalene	U		0.0648	1.00
4-Chlorophenyl-phenylether	U		0.0926	10.0
Chrysene	U		0.130	1.00
Dibenz(a,h)anthracene	U		0.0644	1.00
3,3-Dichlorobenzidine	U		0.212	10.0
2,4-Dinitrotoluene	U		0.0983	10.0
2,6-Dinitrotoluene	U		0.250	10.0
Fluoranthene	U		0.102	1.00
Fluorene	U		0.0844	1.00
Hexachlorobenzene	U		0.0755	1.00
Hexachloro-1,3-butadiene	U		0.0968	10.0
Hexachlorocyclopentadiene	U		0.0598	10.0
Hexachloroethane	U		0.127	10.0
Indeno(1,2,3-cd)pyrene	U		0.279	1.00
Isophorone	U		0.143	10.0
Naphthalene	U		0.159	1.00
Nitrobenzene	U		0.297	10.0
n-Nitrosodimethylamine	U		0.998	10.0
n-Nitrosodiphenylamine	U		2.37	10.0
n-Nitrosodi-n-propylamine	U		0.261	10.0
Phenanthrene	U		0.112	1.00
Benzylbutyl phthalate	U		0.765	3.00
Bis(2-ethylhexyl)phthalate	U		0.895	3.00
Di-n-butyl phthalate	U		0.453	3.00
Diethyl phthalate	U		0.287	3.00
Dimethyl phthalate	U		0.260	3.00
Di-n-octyl phthalate	U		0.932	3.00
Pyrene	U		0.107	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3632197-2 03/17/21 23:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,4-Trichlorobenzene	U		0.0698	10.0
Benzyl Alcohol	U		0.563	10.0
4-Chloroaniline	U		0.234	10.0
4-Chloro-3-methylphenol	U		0.131	10.0
2-Chlorophenol	U		0.133	10.0
2-Nitrophenol	U		0.117	10.0
4-Nitrophenol	U		0.143	10.0
Pentachlorophenol	U		0.313	10.0
Phenol	U		4.33	10.0
2,4,6-Trichlorophenol	U		0.100	10.0
Dibenzofuran	U		0.0970	10.0
2,4-Dichlorophenol	U		0.102	10.0
2,4-Dimethylphenol	U		0.0636	10.0
4,6-Dinitro-2-methylphenol	U		1.12	10.0
2,4-Dinitrophenol	U		5.93	10.0
2-Methylnaphthalene	U		0.117	1.00
2-Methylphenol	U		0.0929	10.0
3&4-Methyl Phenol	U		0.168	10.0
2-Nitroaniline	U		0.102	10.0
3-Nitroaniline	U		0.0869	10.0
4-Nitroaniline	U		0.0910	10.0
Acetophenone	U		0.208	10.0
Diphenylamine	U		2.37	10.0
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0
2,3,4,6-Tetrachlorophenol	U		0.231	10.0
2,4,5-Trichlorophenol	U		0.109	10.0
(S) Nitrobenzene-d5	71.1			10.0-127
(S) 2-Fluorobiphenyl	88.8			10.0-130
(S) p-Terphenyl-d14	88.8			10.0-128
(S) Phenol-d5	26.3			10.0-120
(S) 2-Fluorophenol	39.4			10.0-120
(S) 2,4,6-Tribromophenol	80.5			10.0-155

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3632456-2 03/18/21 12:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
2-Acetylaminofluorene	U		0.253	10.0
4-Aminobiphenyl	U		0.461	10.0
Chlorobenzilate	U		3.84	50.0
Diallate	U		0.524	10.0
2,6-Dichlorophenol	U		0.102	10.0
Dimethoate	U		5.05	50.0
P-(Dimethylamino) Azobenzene	U		3.69	10.0
Dimethylbenz (A) Anthracene	U		1.71	10.0
3,3-Dimethylbenzidine	U		3.39	10.0
1,3-Dinitrobenzene	U		0.359	10.0
Diphenylamine	U		2.37	10.0
Dinoseb	U		8.01	50.0
Disulfoton	U		0.267	10.0
Ethyl methanesulfonate	U		0.326	10.0
Ethyl Parathion	U		0.379	10.0
Famphur	U		3.92	20.0
Hexachloropropene	U		0.149	50.0
Isodrin	U		4.11	10.0
Isosafrole	U		3.88	10.0
Kepone	U		2.66	20.0
Methapyrilene	U		10.0	50.0
3-Methylcholanthrene	U		0.164	10.0
Methyl methanesulfonate	U		3.40	50.0
Methyl parathion	U		0.213	10.0
1,4-Naphthoquinone	U		5.56	50.0
1-Naphthylamine	U		0.289	10.0
2-Naphthylamine	U		4.48	10.0
5-Nitro-o-toluidine	U		1.99	10.0
n-Nitrosodiethylamine	U		3.57	10.0
n-Nitrosodi-n-butylamine	U		3.91	10.0
n-Nitrosomethylethylamine	U		3.25	10.0
n-Nitrosomorpholine	U		3.25	10.0
n-Nitrosopiperidine	U		3.72	10.0
n-Nitrosopyrrolidine	U		3.39	10.0
Pentachlorobenzene	U		4.15	10.0
Pentachloronitrobenzene	U		4.15	10.0
Phenacetin	U		4.66	10.0
p-Phenylenediamine	U		387	6900
Phorate	U		4.86	50.0
Pronamide	U		4.21	10.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3632456-2 03/18/21 12:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Safrole	U		3.68	10.0
Thionazin	U		4.07	10.0
o-Toluidine	U		3.53	10.0
O,O,O-Triethyl Phosphorothioate	U		2.93	10.0
1,3,5-Trinitrobenzene	U		1.32	10.0

Laboratory Control Sample (LCS)

(LCS) R3632197-1 03/17/21 22:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	50.0	39.6	79.2	41.0-120	
Acenaphthylene	50.0	42.1	84.2	43.0-120	
Anthracene	50.0	42.4	84.8	45.0-120	
Benzo(a)anthracene	50.0	47.8	95.6	47.0-120	
Benzo(b)fluoranthene	50.0	43.9	87.8	46.0-120	
Benzo(k)fluoranthene	50.0	47.1	94.2	46.0-120	
Benzo(g,h,i)perylene	50.0	47.2	94.4	48.0-121	
Benzo(a)pyrene	50.0	48.2	96.4	47.0-120	
Bis(2-chlorethoxy)methane	50.0	36.5	73.0	33.0-120	
Bis(2-chloroethyl)ether	50.0	48.6	97.2	23.0-120	
2,2-oxybis(1-chloropropane)	50.0	45.1	90.2	28.0-120	
4-Bromophenyl-phenylether	50.0	46.5	93.0	45.0-120	
2-Chloronaphthalene	50.0	43.5	87.0	37.0-120	
4-Chlorophenyl-phenylether	50.0	45.6	91.2	44.0-120	
Chrysene	50.0	44.1	88.2	48.0-120	
Dibenz(a,h)anthracene	50.0	47.4	94.8	47.0-120	
3,3-Dichlorobenzidine	100	102	102	44.0-120	
2,4-Dinitrotoluene	50.0	50.5	101	49.0-124	
2,6-Dinitrotoluene	50.0	46.2	92.4	46.0-120	
Fluoranthene	50.0	45.1	90.2	51.0-120	
Fluorene	50.0	42.0	84.0	47.0-120	
Hexachlorobenzene	50.0	48.5	97.0	44.0-120	
Hexachloro-1,3-butadiene	50.0	38.1	76.2	19.0-120	
Hexachlorocyclopentadiene	50.0	33.7	67.4	15.0-120	
Hexachloroethane	50.0	35.6	71.2	15.0-120	
Indeno(1,2,3-cd)pyrene	50.0	45.1	90.2	49.0-122	
Isophorone	50.0	31.1	62.2	36.0-120	
Naphthalene	50.0	34.6	69.2	27.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3632197-1 03/17/21 22:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Nitrobenzene	50.0	38.2	76.4	27.0-120	
n-Nitrosodimethylamine	50.0	39.2	78.4	10.0-120	
n-Nitrosodiphenylamine	50.0	43.1	86.2	47.0-120	
n-Nitrosodi-n-propylamine	50.0	37.8	75.6	31.0-120	
Phenanthrene	50.0	42.3	84.6	46.0-120	
Benzylbutyl phthalate	50.0	43.7	87.4	43.0-121	
Bis(2-ethylhexyl)phthalate	50.0	43.4	86.8	43.0-122	
Di-n-butyl phthalate	50.0	44.6	89.2	49.0-121	
Diethyl phthalate	50.0	43.2	86.4	48.0-122	
Dimethyl phthalate	50.0	44.1	88.2	48.0-120	
Di-n-octyl phthalate	50.0	45.3	90.6	42.0-125	
Pyrene	50.0	44.4	88.8	47.0-120	
1,2,4-Trichlorobenzene	50.0	36.9	73.8	24.0-120	
Benzyl Alcohol	50.0	29.5	59.0	25.0-120	
4-Chloroaniline	50.0	28.6	57.2	25.0-120	
4-Chloro-3-methylphenol	50.0	31.4	62.8	40.0-120	
2-Chlorophenol	50.0	38.2	76.4	25.0-120	
Dibenzofuran	50.0	45.4	90.8	44.0-120	
2,4-Dichlorophenol	50.0	38.4	76.8	36.0-120	
2,4-Dimethylphenol	50.0	35.1	70.2	33.0-120	
4,6-Dinitro-2-methylphenol	50.0	56.2	112	38.0-138	
2,4-Dinitrophenol	50.0	51.9	104	10.0-120	
2-Methylnaphthalene	50.0	33.0	66.0	33.0-120	
2-Methylphenol	50.0	33.9	67.8	28.0-120	
3&4-Methyl Phenol	50.0	33.7	67.4	31.0-120	
2-Nitroaniline	50.0	46.5	93.0	43.0-120	
3-Nitroaniline	50.0	45.2	90.4	38.0-120	
4-Nitroaniline	50.0	56.7	113	18.0-160	
2-Nitrophenol	50.0	43.3	86.6	31.0-120	
4-Nitrophenol	50.0	15.2	30.4	10.0-120	
Pentachlorophenol	50.0	48.2	96.4	23.0-120	
Phenol	50.0	14.7	29.4	10.0-120	
2,4,6-Trichlorophenol	50.0	45.1	90.2	42.0-120	
Acetophenone	50.0	67.4	135	29.0-120	J4
1,2,4,5-Tetrachlorobenzene	50.0	43.1	86.2	31.0-121	
2,4,5-Trichlorophenol	50.0	48.4	96.8	44.0-120	
Diphenylamine	50.0	43.1	86.2	35.0-120	
2,3,4,6-Tetrachlorophenol	50.0	58.2	116	42.0-132	
(S) Nitrobenzene-d5			66.2	10.0-127	
(S) 2-Fluorobiphenyl			93.1	10.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3632197-1 03/17/21 22:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
(S) p-Terphenyl-d14			91.2	10.0-128	
(S) Phenol-d5			28.5	10.0-120	
(S) 2-Fluorophenol			42.9	10.0-120	
(S) 2,4,6-Tribromophenol			102	10.0-155	

Laboratory Control Sample (LCS)

(LCS) R3632456-1 03/18/21 11:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
2-Acetylaminofluorene	50.0	47.0	94.0	32.0-120	
4-Aminobiphenyl	50.0	30.2	60.4	20.0-120	
Chlorobenzilate	50.0	46.8	93.6	29.0-128	
Diallate	50.0	36.7	73.4	30.0-120	
2,6-Dichlorophenol	50.0	37.1	74.2	19.0-136	
Dimethoate	50.0	40.3	80.6	11.0-134	
P-(Dimethylamino) Azobenzene	50.0	39.7	79.4	27.0-120	
Dimethylbenz (A) Anthracene	50.0	44.0	88.0	14.0-124	
3,3-Dimethylbenzidine	50.0	16.7	33.4	13.0-120	
1,3-Dinitrobenzene	50.0	43.0	86.0	34.0-120	
Diphenylamine	50.0	41.6	83.2	35.0-120	
Dinoseb	50.0	47.3	94.6	39.0-120	
Disulfoton	50.0	33.4	66.8	32.0-120	
Ethyl methanesulfonate	50.0	30.7	61.4	10.0-120	
Ethyl Parathion	50.0	41.9	83.8	46.0-130	
Famphur	50.0	45.3	90.6	32.0-120	
Hexachloropropene	50.0	26.1	52.2	10.0-120	
Isodrin	50.0	32.2	64.4	22.0-157	
Isosafrole	50.0	35.2	70.4	25.0-133	
Kepone	50.0	34.1	68.2	10.0-120	
Methapyrilene	50.0	13.0	26.0	10.0-120	
3-Methylcholanthrene	50.0	45.1	90.2	30.0-160	
Methyl methanesulfonate	50.0	20.2	40.4	10.0-120	
Methyl parathion	50.0	45.2	90.4	42.0-120	
1,4-Naphthoquinone	50.0	0.895	1.79	50.0-150	J4
1-Naphthylamine	50.0	26.2	52.4	19.0-120	
2-Naphthylamine	50.0	12.4	24.8	10.0-120	
5-Nitro-o-toluidine	50.0	48.4	96.8	34.0-120	
n-Nitrosodiethylamine	50.0	38.1	76.2	10.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3632456-1 03/18/21 11:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
n-Nitrosodi-n-butylamine	50.0	44.1	88.2	13.0-143	
n-Nitrosomethylethylamine	50.0	32.3	64.6	10.0-120	
n-Nitrosomorpholine	50.0	32.7	65.4	10.0-120	
n-Nitrosopiperidine	50.0	38.3	76.6	10.0-160	
n-Nitrosopyrrolidine	50.0	38.3	76.6	10.0-124	
Pentachlorobenzene	50.0	40.4	80.8	25.0-120	
p-Phenylenediamine	50.0	0.000	0.000	50.0-150	J4
Pentachloronitrobenzene	50.0	50.5	101	34.0-132	
Phenacetin	50.0	45.0	90.0	34.0-127	
Phorate	50.0	34.3	68.6	13.0-160	
Pronamide	50.0	43.5	87.0	38.0-130	
Safrole	50.0	40.0	80.0	21.0-120	
Thionazin	50.0	40.7	81.4	38.0-121	
o-Toluidine	50.0	25.8	51.6	10.0-120	
O,O,O-Triethyl Phosphorothioate	50.0	44.3	88.6	11.0-135	
1,3,5-Trinitrobenzene	50.0	42.1	84.2	37.0-147	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1326336-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1326336-01 03/18/21 08:01 • (MS) R3632197-3 03/18/21 08:23 • (MSD) R3632197-4 03/18/21 08:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthene	50.0	U	28.0	33.7	56.0	67.4	5	28.0-120			18.5	25
Acenaphthylene	50.0	U	14.7	16.2	29.4	32.4	5	31.0-121	J6		9.71	25
Anthracene	50.0	U	29.7	33.0	59.4	66.0	5	36.0-120			10.5	23
Benzo(a)anthracene	50.0	U	31.6	35.0	63.2	70.0	5	39.0-120			10.2	23
Benzo(b)fluoranthene	50.0	U	30.8	35.8	61.6	71.6	5	37.0-120			15.0	23
Benzo(k)fluoranthene	50.0	U	33.0	36.9	66.0	73.8	5	37.0-120			11.2	26
Benzo(g,h,i)perylene	50.0	U	19.2	18.3	38.4	36.6	5	37.0-123		J6	4.80	25
Benzo(a)pyrene	50.0	U	33.0	36.6	66.0	73.2	5	37.0-120			10.3	24
Bis(2-chlorethoxy)methane	50.0	U	29.1	31.4	58.2	62.8	5	17.0-120			7.60	31
Bis(2-chloroethyl)ether	50.0	U	43.5	43.6	87.0	87.2	5	14.0-120			0.230	33
2,2-oxybis(1-chloropropane)	50.0	U	27.5	31.2	55.0	62.4	5	18.0-120			12.6	34
4-Bromophenyl-phenylether	50.0	U	33.1	38.2	66.2	76.4	5	37.0-120			14.3	24
2-Chloronaphthalene	50.0	U	32.5	36.3	65.0	72.6	5	29.0-120			11.0	28
4-Chlorophenyl-phenylether	50.0	U	32.4	36.8	64.8	73.6	5	36.0-120			12.7	23
Chrysene	50.0	U	29.9	32.8	59.8	65.6	5	38.0-120			9.25	23
Dibenz(a,h)anthracene	50.0	U	21.8	21.0	43.6	42.0	5	36.0-121			3.74	24
3,3-Dichlorobenzidine	100	U	2.62	U	2.62	0.000	5	10.0-134	J6	J3 J6	200	30

L1326336-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1326336-01 03/18/21 08:01 • (MS) R3632197-3 03/18/21 08:23 • (MSD) R3632197-4 03/18/21 08:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,4-Dinitrotoluene	50.0	U	33.2	37.5	66.4	75.0	5	39.0-125			12.2	25
2,6-Dinitrotoluene	50.0	U	28.6	32.9	57.2	65.8	5	36.0-120			14.0	27
Fluoranthene	50.0	U	32.7	36.7	65.4	73.4	5	41.0-121			11.5	22
Fluorene	50.0	U	30.3	33.7	60.6	67.4	5	37.0-120			10.6	24
Hexachlorobenzene	50.0	U	34.8	38.9	69.6	77.8	5	35.0-122			11.1	24
Hexachloro-1,3-butadiene	50.0	U	28.9	32.0	57.8	64.0	5	12.0-120			10.2	34
Hexachlorocyclopentadiene	50.0	U	U	U	0.000	0.000	5	10.0-120	J6	J6	0.000	33
Hexachloroethane	50.0	U	29.6	30.9	59.2	61.8	5	10.0-120			4.30	40
Indeno(1,2,3-cd)pyrene	50.0	U	21.3	21.1	42.6	42.2	5	38.0-125			0.943	24
Isophorone	50.0	U	25.5	44.9	51.0	89.8	5	21.0-120		J3	55.1	27
Naphthalene	50.0	U	37.0	39.9	74.0	79.8	5	10.0-120			7.54	31
Nitrobenzene	50.0	U	83.3	91.7	167	183	5	12.0-120	J5	J5	9.60	30
n-Nitrosodimethylamine	50.0	U	1830	1300	3660	2600	5	10.0-120	E J5	E J5	33.9	40
n-Nitrosodiphenylamine	50.0	U	32.1	36.3	64.2	72.6	5	37.0-120			12.3	24
n-Nitrosodi-n-propylamine	50.0	U	96.5	107	193	214	5	16.0-120	J5	J5	10.3	30
Phenanthrene	50.0	U	30.7	34.1	61.4	68.2	5	33.0-120			10.5	22
Benzylbutyl phthalate	50.0	U	29.7	32.8	59.4	65.6	5	34.0-126			9.92	24
Bis(2-ethylhexyl)phthalate	50.0	81.2	108	120	53.6	77.6	5	33.0-126			10.5	25
Di-n-butyl phthalate	50.0	U	32.3	36.0	64.6	72.0	5	35.0-128			10.8	23
Diethyl phthalate	50.0	U	31.1	36.3	62.2	72.6	5	39.0-125			15.4	24
Acetophenone	50.0	145	186	199	82.0	108	5	20.0-120			6.75	35
Dimethyl phthalate	50.0	3.72	36.9	40.8	66.4	74.2	5	37.0-120			10.0	24
Di-n-octyl phthalate	50.0	U	30.1	33.5	60.2	67.0	5	25.0-135			10.7	26
Pyrene	50.0	U	30.5	34.7	61.0	69.4	5	39.0-120			12.9	22
1,2,4-Trichlorobenzene	50.0	U	26.9	29.6	53.8	59.2	5	15.0-120			9.56	31
4-Chloro-3-methylphenol	50.0	U	13.5	15.7	27.0	31.4	5	26.0-120			15.1	27
2-Chlorophenol	50.0	U	27.5	31.7	55.0	63.4	5	18.0-120			14.2	34
2,4-Dichlorophenol	50.0	U	1.29	6.18	2.58	12.4	5	19.0-120	J6	J3 J6	131	27
2,4-Dimethylphenol	50.0	U	19.0	36.3	0.000	26.0	5	15.0-120	J6	J3	62.6	28
4,6-Dinitro-2-methylphenol	50.0	U	50.2	60.2	100	120	5	10.0-144			18.1	39
2,4-Dinitrophenol	50.0	U	62.8	66.8	126	134	5	10.0-120	J5	J5	6.17	40
4-Chloroaniline	50.0	U	86.1	94.5	172	189	5	10.0-120	J5	J5	9.30	31
2-Nitrophenol	50.0	U	38.6	43.3	77.2	86.6	5	20.0-120			11.5	30
Dibenzofuran	50.0	U	32.4	35.6	64.8	71.2	5	32.0-120			9.41	26
4-Nitrophenol	50.0	U	71.6	8.01	143	16.0	5	10.0-120	J5	J3	160	40
Pentachlorophenol	50.0	U	41.3	42.9	82.6	85.8	5	10.0-128			3.80	37
Phenol	50.0	89.4	102	119	25.2	59.2	5	10.0-120			15.4	40
2,4,6-Trichlorophenol	50.0	U	33.0	36.9	66.0	73.8	5	26.0-120			11.2	31
2-Methylnaphthalene	50.0	3.17	30.5	34.2	54.7	62.1	5	17.0-120			11.4	28
2-Nitroaniline	50.0	U	U	1.42	0.000	2.84	5	33.0-120	J6	J3 J6	200	27

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

WG1635417

QUALITY CONTROL SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

L1326688-01,02,03,04,05,06,07,08

L1326336-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1326336-01 03/18/21 08:01 • (MS) R3632197-3 03/18/21 08:23 • (MSD) R3632197-4 03/18/21 08:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
3-Nitroaniline	50.0	U	3.49	5.14	6.98	10.3	5	20.0-120	J6	J3 J6	38.2	27
4-Nitroaniline	50.0	U	U	U	0.000	0.000	5	10.0-160	J6	J6	0.000	26
Benzyl Alcohol	50.0	U	330	380	660	760	5	14.0-120	J5	J5	14.1	38
2-Methylphenol	50.0	U	226	259	452	518	5	10.0-120	J5	J5	13.6	30
3&4-Methyl Phenol	50.0	U	12.4	27.1	24.8	54.2	5	10.0-120		J3	74.4	36
1,2,4,5-Tetrachlorobenzene	50.0	U	36.5	41.6	73.0	83.2	5	19.0-122			13.1	32
2,4,5-Trichlorophenol	50.0	U	33.8	39.5	67.6	79.0	5	33.0-120			15.6	31
2,3,4,6-Tetrachlorophenol	50.0	U	41.8	48.9	83.6	97.8	5	17.0-142			15.7	34
Diphenylamine	50.0	U	32.1	36.3	64.2	72.6	5	35.0-120			12.3	30
(S) Nitrobenzene-d5					154	13.6		10.0-127	J1			
(S) 2-Fluorobiphenyl					66.9	71.2		10.0-130				
(S) p-Terphenyl-d14					64.5	71.6		10.0-128				
(S) Phenol-d5					50.5	3.86		10.0-120		J2		
(S) 2-Fluorophenol					5.10	3.89		10.0-120	J2	J2		
(S) 2,4,6-Tribromophenol					72.5	81.5		10.0-155				

Sample Narrative:

OS: Dilution and surrogate failure due to matrix interference.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

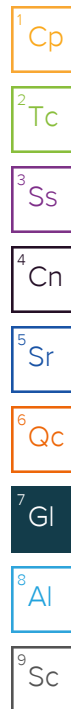
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P	RPD between the primary and confirmatory analysis exceeded 40%.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.



GLOSSARY OF TERMS

Qualifier	Description
V	The sample concentration is too high to evaluate accurate spike recoveries.
V3	The internal standard exhibited poor recovery due to sample matrix interference. The analytical results will be biased high. BDL results will be unaffected.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

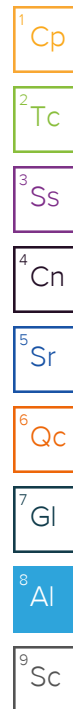
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: FTN Associates - Little Rock, AR 3 Innwood Circle, Suite 220 Little Rock, AR 72211				Billing Information: Accounts Payable 205 N 2nd Street Blytheville, AR 72315-2834				Pres Chk		Analysis / Container / Preservative								Chain of Custody Page <u>1</u> of <u>2</u>	
										12065 Lebanon Road Mt Juliet, TN 37122 Phone: 615-758-5858 Alt: 800-767-5859 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf									
Report to: Dana Derrington				Email To: dld@ftn-assoc.com;mmv@ftn-assoc.com;hlf@ftn-assoc.com															
Project Description: Mississippi County LF				City/State Collected: LUXORA AR		Please Circle: PT MT CT ET													
Phone: 314-786-5855		Client Project # 04355-2495-001		Lab Project # FTNLRAR-MISSCO															
Collected by (print): Michael Clayton		Site/Facility ID #		P.O. #															
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #															
Immediately Packed on Ice N YL				Date Results Needed		No. of Cntrs													
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time													
MW-1		Grab	GW		3/11/21	1755	14	X	X	X	X	X	X	X	X	X	X		
MW-2			GW		3/11/21	900	14	X	X	X	X	X	X	X	X	X	X		
MW-3			GW		3/11/21	1600	14	X	X	X	X	X	X	X	X	X	X		
MW-4RZ			GW		3/11/21	1020	14	X	X	X	X	X	X	X	X	X	X		
MW-5R			GW		3/11/21	1145	14	X	X	X	X	X	X	X	X	X	X		
MW-6			GW		3/11/21	1330	14	X	X	X	X	X	X	X	X	X	X		
MW-3 DUP			GW		3/11/21	1605	14	X	X	X	X	X	X	X	X	X	X		
EB-1			GW		3/11/21	1810	14	X	X	X	X	X	X	X	X	X	X		
			GW				14	X	X	X	X	X	X	X	X	X	X		
TRIP BLANK			GW				4	X									X		
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks: 0895 0.2 pH _____ Temp _____ 0084 0.1 Flow _____ Other _____				Tracking # 9517 5765 0900				Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N RAD Screen <0.5 mR/hr: ☒ Y ☐ N									
Relinquished by: (Signature) 		Date: 3/12/21		Time: 1400		Received by: (Signature) 				Trip Blank Received: Yes ☒ No ☐ HCL / MeOH TBR									
Relinquished by: (Signature) 		Date:		Time:		Received by: (Signature) 				Temp: 16°C 0.110201 112				Bottles Received:					
Relinquished by: (Signature) 		Date:		Time:		Received for lab by: (Signature) 				Date: 3/13/21 Time: 900				Hold:					
														Condition: NCF 1/OK					

FTN Associates - Little Rock, AR

Sample Delivery Group: L1326865
Samples Received: 03/13/2021
Project Number: 04355-2495-01
Description: Mississippi County LF

Report To: Dana Derrington
3 Innwood Circle, Suite 220
Little Rock, AR 72211

Entire Report Reviewed By:



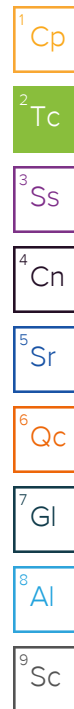
Mark W. Beasley
Project Manager

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SAMPLE SUMMARY

OB-1 L1326865-01 GW

Collected by
Michael Clayton

Collected date/time
03/09/21 14:20

Received date/time
03/13/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1635526	1	03/16/21 15:24	03/16/21 16:33	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1636621	1	03/18/21 22:24	03/18/21 22:24	MCG	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1638945	1	03/23/21 18:55	03/23/21 18:55	KPS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1636428	1	03/18/21 07:41	03/18/21 15:51	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1637762	1	03/21/21 02:44	03/21/21 02:44	DWR	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

MW-24 L1326865-02 GW

Collected by
Michael Clayton

Collected date/time
03/09/21 15:55

Received date/time
03/13/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1636428	1	03/18/21 07:41	03/18/21 15:10	LAT	Mt. Juliet, TN

⁵ Sr

⁶ Qc

⁷ Gl

MW-24 DUP L1326865-03 GW

Collected by
Michael Clayton

Collected date/time
03/09/21 16:00

Received date/time
03/13/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1636428	1	03/18/21 07:41	03/18/21 15:14	LAT	Mt. Juliet, TN

⁸ Al

⁹ Sc

EB-2 L1326865-04 GW

Collected by
Michael Clayton

Collected date/time
03/09/21 17:35

Received date/time
03/13/21 09:00

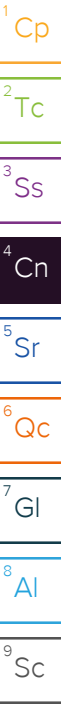
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1636428	1	03/18/21 07:41	03/18/21 15:17	LAT	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Mark W. Beasley
Project Manager



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	380000		10000	1	03/16/2021 16:33	WG1635526

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	1440	B	379	1000	1	03/18/2021 22:24	WG1636621
Sulfate	4930	J	594	5000	1	03/18/2021 22:24	WG1636621

Wet Chemistry by Method 9060A

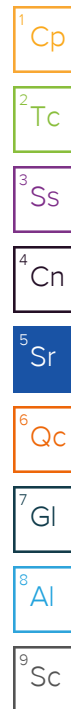
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2010	B	102	1000	1	03/23/2021 18:55	WG1638945

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		1.03	4.00	1	03/18/2021 15:51	WG1636428
Arsenic	30.8		0.180	2.00	1	03/18/2021 15:51	WG1636428
Barium	235		0.381	20.0	1	03/18/2021 15:51	WG1636428
Beryllium	U		0.190	2.00	1	03/18/2021 15:51	WG1636428
Cadmium	0.276	J	0.150	1.00	1	03/18/2021 15:51	WG1636428
Chromium	U		1.24	2.00	1	03/18/2021 15:51	WG1636428
Copper	U		1.51	5.00	1	03/18/2021 15:51	WG1636428
Cobalt	0.200	J	0.0596	2.00	1	03/18/2021 15:51	WG1636428
Iron	5270		28.1	100	1	03/18/2021 15:51	WG1636428
Lead	U		0.849	2.00	1	03/18/2021 15:51	WG1636428
Manganese	2330		0.704	5.00	1	03/18/2021 15:51	WG1636428
Nickel	1.02	J	0.816	2.00	1	03/18/2021 15:51	WG1636428
Selenium	U		0.300	2.00	1	03/18/2021 15:51	WG1636428
Silver	U		0.0700	2.00	1	03/18/2021 15:51	WG1636428
Thallium	U		0.121	2.00	1	03/18/2021 15:51	WG1636428
Vanadium	U		0.664	5.00	1	03/18/2021 15:51	WG1636428
Zinc	29.5	B	3.02	25.0	1	03/18/2021 15:51	WG1636428

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	03/21/2021 02:44	WG1637762
Acrylonitrile	U		0.671	10.0	1	03/21/2021 02:44	WG1637762
Benzene	U		0.0941	1.00	1	03/21/2021 02:44	WG1637762
Bromochloromethane	U		0.128	1.00	1	03/21/2021 02:44	WG1637762
Bromodichloromethane	U		0.136	1.00	1	03/21/2021 02:44	WG1637762
Bromoform	U		0.129	1.00	1	03/21/2021 02:44	WG1637762
Bromomethane	U		0.605	5.00	1	03/21/2021 02:44	WG1637762
Carbon disulfide	U		0.0962	1.00	1	03/21/2021 02:44	WG1637762
Carbon tetrachloride	U		0.128	1.00	1	03/21/2021 02:44	WG1637762
Chlorobenzene	U		0.116	1.00	1	03/21/2021 02:44	WG1637762
Chlorodibromomethane	U		0.140	1.00	1	03/21/2021 02:44	WG1637762
Chloroethane	U		0.192	5.00	1	03/21/2021 02:44	WG1637762
Chloroform	U		0.111	5.00	1	03/21/2021 02:44	WG1637762
Chloromethane	U		0.960	2.50	1	03/21/2021 02:44	WG1637762
Dibromomethane	U		0.122	1.00	1	03/21/2021 02:44	WG1637762
1,2-Dibromoethane	U		0.126	1.00	1	03/21/2021 02:44	WG1637762
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/21/2021 02:44	WG1637762



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichlorobenzene	U		0.107	1.00	1	03/21/2021 02:44	WG1637762
1,4-Dichlorobenzene	U		0.120	1.00	1	03/21/2021 02:44	WG1637762
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/21/2021 02:44	WG1637762
1,1-Dichloroethane	U		0.100	1.00	1	03/21/2021 02:44	WG1637762
1,2-Dichloroethane	U		0.0819	1.00	1	03/21/2021 02:44	WG1637762
1,1-Dichloroethene	U		0.188	1.00	1	03/21/2021 02:44	WG1637762
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/21/2021 02:44	WG1637762
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/21/2021 02:44	WG1637762
1,2-Dichloropropane	U		0.149	1.00	1	03/21/2021 02:44	WG1637762
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/21/2021 02:44	WG1637762
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/21/2021 02:44	WG1637762
Ethylbenzene	U		0.137	1.00	1	03/21/2021 02:44	WG1637762
2-Hexanone	U		0.787	10.0	1	03/21/2021 02:44	WG1637762
Iodomethane	U		6.00	10.0	1	03/21/2021 02:44	WG1637762
2-Butanone (MEK)	U		1.19	10.0	1	03/21/2021 02:44	WG1637762
Methylene Chloride	U		0.430	5.00	1	03/21/2021 02:44	WG1637762
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/21/2021 02:44	WG1637762
Styrene	U		0.118	1.00	1	03/21/2021 02:44	WG1637762
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/21/2021 02:44	WG1637762
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/21/2021 02:44	WG1637762
Tetrachloroethene	U		0.300	1.00	1	03/21/2021 02:44	WG1637762
Toluene	U		0.278	1.00	1	03/21/2021 02:44	WG1637762
1,1,1-Trichloroethane	U		0.149	1.00	1	03/21/2021 02:44	WG1637762
1,1,2-Trichloroethane	U		0.158	1.00	1	03/21/2021 02:44	WG1637762
Trichloroethene	U		0.190	1.00	1	03/21/2021 02:44	WG1637762
Trichlorofluoromethane	U		0.160	5.00	1	03/21/2021 02:44	WG1637762
1,2,3-Trichloropropane	U		0.237	2.50	1	03/21/2021 02:44	WG1637762
Vinyl acetate	U		0.692	10.0	1	03/21/2021 02:44	WG1637762
Vinyl chloride	U		0.234	1.00	1	03/21/2021 02:44	WG1637762
Xylenes, Total	U		0.174	3.00	1	03/21/2021 02:44	WG1637762
(S) Toluene-d8	112			80.0-120		03/21/2021 02:44	WG1637762
(S) 4-Bromofluorobenzene	105			77.0-126		03/21/2021 02:44	WG1637762
(S) 1,2-Dichloroethane-d4	117			70.0-130		03/21/2021 02:44	WG1637762

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium	369		0.381	20.0	1	03/18/2021 15:10	WG1636428
Manganese	1630		0.704	5.00	1	03/18/2021 15:10	WG1636428

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium	370		0.381	20.0	1	03/18/2021 15:14	WG1636428
Manganese	1660		0.704	5.00	1	03/18/2021 15:14	WG1636428

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Barium	0.616	J	0.381	20.0	1	03/18/2021 15:17	WG1636428
Manganese	1.58	J	0.704	5.00	1	03/18/2021 15:17	WG1636428

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3631904-1 03/16/21 16:33

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Dissolved Solids	U		10000	10000

L1325677-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1325677-02 03/16/21 16:33 • (DUP) R3631904-3 03/16/21 16:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	496000	493000	1	0.607		5

L1325677-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1325677-03 03/16/21 16:33 • (DUP) R3631904-4 03/16/21 16:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	453000	440000	1	2.91		5

Laboratory Control Sample (LCS)

(LCS) R3631904-2 03/16/21 16:33

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Dissolved Solids	8800000	8710000	99.0	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3632559-1 03/18/21 11:33

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Chloride	398	⬇	379	1000
Sulfate	U		594	5000

L1328055-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1328055-01 03/18/21 12:48 • (DUP) R3632559-3 03/18/21 13:04

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	26400	26600	1	0.451		15
Sulfate	3340	3400	1	1.74	⬇	15

L1326676-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1326676-21 03/18/21 18:28 • (DUP) R3632559-6 03/18/21 18:45

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	12300	12700	1	3.43		15
Sulfate	21700	21900	1	1.07		15

Laboratory Control Sample (LCS)

(LCS) R3632559-2 03/18/21 11:49

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Chloride	40000	39300	98.3	80.0-120	
Sulfate	40000	39400	98.5	80.0-120	

L1328055-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1328055-03 03/18/21 13:38 • (MS) R3632559-4 03/18/21 13:55 • (MSD) R3632559-5 03/18/21 14:12

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Chloride	50000	26100	72100	75500	91.9	98.7	1	80.0-120			4.60	15
Sulfate	50000	5550	52500	55900	93.9	101	1	80.0-120			6.32	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1326806-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1326806-01 03/18/21 21:34 • (MS) R3632559-7 03/18/21 21:51

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	30200	79100	97.7	1	80.0-120	
Sulfate	50000	14900	65400	101	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3634133-1 03/23/21 17:57

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	378	⬇	102	1000

L1327616-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1327616-01 03/23/21 22:54 • (DUP) R3634133-3 03/23/21 23:12

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	5150	4990	1	3.16		20

L1327700-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1327700-01 03/24/21 00:43 • (DUP) R3634133-6 03/24/21 00:59

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	2220	2090	1	6.16		20

Laboratory Control Sample (LCS)

(LCS) R3634133-2 03/23/21 18:39

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	75000	71300	95.0	85.0-115	

L1327616-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1327616-01 03/23/21 22:54 • (MS) R3634133-4 03/23/21 23:39 • (MSD) R3634133-5 03/24/21 00:04

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	50000	5150	51200	51500	92.1	92.6	1	80.0-120			0.526	20

L1327900-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1327900-01 03/24/21 03:20 • (MS) R3634133-7 03/24/21 03:44 • (MSD) R3634133-8 03/24/21 04:09

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	50000	3540	49200	49300	91.4	91.5	1	80.0-120			0.0812	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3632240-1 03/18/21 13:27

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	20.0
Beryllium	U		0.190	2.00
Cadmium	U		0.150	1.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Iron	U		28.1	100
Lead	U		0.849	2.00
Manganese	U		0.704	5.00
Nickel	U		0.816	2.00
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Thallium	U		0.121	2.00
Vanadium	U		0.664	5.00
Zinc	3.52	⬇	3.02	25.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3632240-2 03/18/21 13:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	48.0	96.1	80.0-120	
Arsenic	50.0	47.0	94.0	80.0-120	
Barium	50.0	45.9	91.9	80.0-120	
Beryllium	50.0	53.4	107	80.0-120	
Cadmium	50.0	51.9	104	80.0-120	
Chromium	50.0	50.9	102	80.0-120	
Copper	50.0	48.9	97.7	80.0-120	
Cobalt	50.0	50.6	101	80.0-120	
Iron	5000	5310	106	80.0-120	
Lead	50.0	48.4	96.8	80.0-120	
Manganese	50.0	48.3	96.6	80.0-120	
Nickel	50.0	50.8	102	80.0-120	
Selenium	50.0	49.8	99.7	80.0-120	
Silver	50.0	48.3	96.6	80.0-120	
Thallium	50.0	46.8	93.6	80.0-120	
Vanadium	50.0	50.5	101	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3632240-2 03/18/21 13:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Zinc	500	460	92.1	80.0-120	

L1325474-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1325474-01 03/18/21 13:34 • (MS) R3632240-4 03/18/21 13:41 • (MSD) R3632240-5 03/18/21 13:44

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Antimony	50.0	U	52.2	53.8	104	108	1	75.0-125			3.08	20
Arsenic	50.0	U	47.5	47.8	95.1	95.6	1	75.0-125			0.547	20
Barium	50.0	1200	1280	1270	156	130	1	75.0-125	V	V	1.04	20
Beryllium	50.0	U	52.7	53.6	105	107	1	75.0-125			1.63	20
Cadmium	50.0	U	53.3	53.5	107	107	1	75.0-125	V3	V3	0.250	20
Chromium	50.0	U	48.7	48.6	97.4	97.3	1	75.0-125			0.134	20
Copper	50.0	30.7	77.3	79.9	93.2	98.4	1	75.0-125			3.31	20
Cobalt	50.0	U	47.0	47.7	94.0	95.3	1	75.0-125			1.40	20
Iron	5000	139	4980	5120	96.9	99.6	1	75.0-125			2.64	20
Lead	50.0	U	52.7	52.5	105	105	1	75.0-125	V3	V3	0.317	20
Manganese	50.0	4.54	52.3	52.9	95.5	96.7	1	75.0-125			1.14	20
Nickel	50.0	U	46.9	45.8	93.7	91.6	1	75.0-125			2.35	20
Selenium	50.0	0.336	58.5	57.0	116	113	1	75.0-125			2.60	20
Silver	50.0	U	47.7	48.8	95.5	97.5	1	75.0-125			2.12	20
Thallium	50.0	U	49.3	49.7	98.7	99.5	1	75.0-125	V3	V3	0.785	20
Vanadium	50.0	U	50.2	50.1	100	100	1	75.0-125			0.188	20
Zinc	500	4.29	440	438	87.2	86.8	1	75.0-125			0.459	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3633140-2 03/21/21 00:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromodichloromethane	U		0.136	1.00
Bromochloromethane	U		0.128	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,4-Dichlorobenzene	U		0.120	1.00
trans-1,4-Dichloro-2-butene	U		0.467	2.50
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
Ethylbenzene	U		0.137	1.00
2-Hexanone	U		0.787	10.0
Iodomethane	U		6.00	10.0
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	0.278	U	0.278	1.00
1,1,1-Trichloroethane	U		0.149	1.00

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3633140-2 03/21/21 00:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
Vinyl acetate	U		0.692	10.0
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	113			80.0-120
(S) 4-Bromofluorobenzene	110			77.0-126
(S) 1,2-Dichloroethane-d4	117			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3633140-1 03/20/21 23:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	27.5	110	19.0-160	
Acrylonitrile	25.0	25.3	101	55.0-149	
Benzene	5.00	4.60	92.0	70.0-123	
Bromodichloromethane	5.00	5.19	104	75.0-120	
Bromochloromethane	5.00	5.57	111	76.0-122	
Bromoform	5.00	4.38	87.6	68.0-132	
Bromomethane	5.00	6.03	121	10.0-160	
Carbon disulfide	5.00	4.29	85.8	61.0-128	
Carbon tetrachloride	5.00	4.93	98.6	68.0-126	
Chlorobenzene	5.00	4.68	93.6	80.0-121	
Chlorodibromomethane	5.00	4.83	96.6	77.0-125	
Chloroethane	5.00	4.45	89.0	47.0-150	
Chloroform	5.00	5.22	104	73.0-120	
Chloromethane	5.00	3.70	74.0	41.0-142	
1,2-Dibromo-3-Chloropropane	5.00	4.37	87.4	58.0-134	
1,2-Dibromoethane	5.00	5.21	104	80.0-122	
Dibromomethane	5.00	5.27	105	80.0-120	
1,2-Dichlorobenzene	5.00	5.14	103	79.0-121	
1,4-Dichlorobenzene	5.00	5.04	101	79.0-120	
trans-1,4-Dichloro-2-butene	5.00	4.80	96.0	33.0-144	
1,1-Dichloroethane	5.00	5.16	103	70.0-126	
1,2-Dichloroethane	5.00	5.61	112	70.0-128	
1,1-Dichloroethene	5.00	4.13	82.6	71.0-124	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3633140-1 03/20/21 23:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
cis-1,2-Dichloroethene	5.00	4.90	98.0	73.0-120	
trans-1,2-Dichloroethene	5.00	4.80	96.0	73.0-120	
1,2-Dichloropropane	5.00	4.99	99.8	77.0-125	
cis-1,3-Dichloropropene	5.00	5.43	109	80.0-123	
trans-1,3-Dichloropropene	5.00	4.93	98.6	78.0-124	
Ethylbenzene	5.00	4.71	94.2	79.0-123	
2-Hexanone	25.0	24.2	96.8	67.0-149	
Iodomethane	25.0	19.8	79.2	33.0-147	
2-Butanone (MEK)	25.0	24.1	96.4	44.0-160	
Methylene Chloride	5.00	4.89	97.8	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	23.3	93.2	68.0-142	
Styrene	5.00	4.56	91.2	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.05	101	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.03	101	65.0-130	
Tetrachloroethene	5.00	4.58	91.6	72.0-132	
Toluene	5.00	4.88	97.6	79.0-120	
1,1,1-Trichloroethane	5.00	5.07	101	73.0-124	
1,1,2-Trichloroethane	5.00	4.93	98.6	80.0-120	
Trichloroethene	5.00	4.86	97.2	78.0-124	
Trichlorofluoromethane	5.00	4.93	98.6	59.0-147	
1,2,3-Trichloropropane	5.00	4.97	99.4	73.0-130	
Vinyl acetate	25.0	33.1	132	11.0-160	
Vinyl chloride	5.00	4.02	80.4	67.0-131	
Xylenes, Total	15.0	15.0	100	79.0-123	
(S) Toluene-d8			106	80.0-120	
(S) 4-Bromofluorobenzene			104	77.0-126	
(S) 1,2-Dichloroethane-d4			119	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

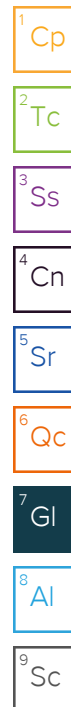
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
V	The sample concentration is too high to evaluate accurate spike recoveries.
V3	The internal standard exhibited poor recovery due to sample matrix interference. The analytical results will be biased high. BDL results will be unaffected.



ACCREDITATIONS & LOCATIONS

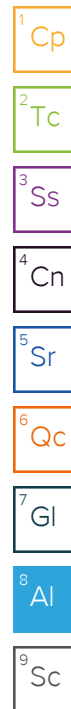
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



[illegible]

APPENDIX C

Historical Database

Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chloride (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
MW-1	downgradient										
	10/27/1993	<0.05	<0.05	0.01(R)	<0.001	<0.002	n/a	<0.005	<0.003	0.01	n/a
	3/15/1994	<0.02	0.034	0.237	<0.002	<0.004	10.5	<0.003	<0.003	0.011	7.95
	6/14/1994	<0.02	0.047	0.248	<0.002	<0.004	6	<0.003	<0.003	<0.004	7.71
	9/15/1994	<0.02	0.018	0.278	<0.002	<0.004	10.5	<0.003	0.004	0.006	8.73
	12/22/1994	<0.02	0.053	0.248	<0.002	<0.004	9	<0.003	<0.003	<0.004	7.16
	6/2/1995	<0.02	0.022	0.251	<0.002	<0.004	7.5	<0.003	<0.003	<0.004	7.41
	12/14/1995	0.022	<0.01	0.26	<0.002	<0.004	18.5	0.004	<0.003	0.01	8.86
	6/13/1996	<0.03	<0.05	0.25	<0.0003	<0.004	16	<0.007	<0.007	<0.006	8.2
	11/26/1996	<0.03	<0.05	0.21	<0.0003	<0.004	17	<0.007	<0.007	<0.006	2.7(R)
	4/23/1997	<0.03	0.078	0.35	<0.0003	<0.004	22	<0.007	<0.007	0.007	12
	10/8/1997	<0.003	<0.04	0.26	<0.0003	<0.004	26	<0.007	<0.007	<0.006	8.5
	4/13/1998	<0.002	0.051	0.27	0.00031	<0.003	31	<0.005	<0.007	<0.003	9.6
	11/5/1998	<0.002	0.073	0.26	<0.0004	<0.004	27	<0.01	<0.007	<0.01	9.1
	4/1/1999	<0.002	0.052	0.3	<0.0004	<0.004	52	<0.01	<0.007	<0.01	10
	10/22/1999	<0.002	0.06	0.29	<0.0004	<0.004	30	<0.01	<0.007	<0.01	11
	5/10/2000	<0.002	0.052	0.33	<0.0004	<0.004	43	<0.01	<0.007	<0.01	10
	10/12/2000	<0.002	0.052	0.3	<0.0004	<0.004	44	<0.01	<0.007	<0.01	12
	4/26/2001	<0.002	0.05	0.25	<0.0004	<0.02	51	<0.01	<0.007	<0.01	9.6
	10/26/2001	<0.002	0.082	0.35	<0.0004	<0.02	42	0.016	<0.007	<0.01	12
	4/10/2002	<0.002	0.045	0.35	<0.0004	<0.005	61	<0.01	<0.007	<0.01	12
	11/6/2002	<0.002	0.051	0.32	<0.0004	<0.005	43	<0.01	<0.007	<0.01	12
	4/18/2003	<0.002	<0.04	0.32	<0.0004	<0.005	76	<0.01	<0.007	<0.01	12
	11/5/2003	<0.002	0.045	0.29	<0.0004	<0.005	43	<0.01	<0.007	<0.01	10
	4/29/2004	<0.002	<0.04	0.33	<0.0004	<0.005	80	<0.01	<0.007	<0.01	12
	10/20/2004	<0.002	0.049	0.32	<0.0004	<0.005	59	<0.01	<0.007	<0.01	12
	4/27/2005	<0.002	<0.04	0.32	<0.0004	<0.005	59	<0.01	<0.007	<0.01	12
	10/4/2005	<0.002	0.056	0.36	<0.0004	<0.005	68	<0.01	<0.007	<0.01	12
	4/26/2006	<0.002	0.05	0.35	<0.0004	<0.005	43	<0.01	<0.007	<0.01	11
	10/3/2006	<0.002	0.061	0.35	<0.0004	<0.005	26	<0.01	<0.007	<0.01	11

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chloride (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
MW-1 (cont.)	4/11/2007	<0.002	0.05	0.34	<0.0003	<0.005	37	<0.01	<0.007	<0.006	11
	10/4/2007	<0.002	0.086	0.38	<0.0003	<0.005	31	<0.01	<0.007	0.23	12
	4/21/2008	<0.001	0.036	0.3	<0.001	<0.0005	21	<0.01	<0.01	<0.001	10
	10/9/2008	<0.001	0.067	0.3	<0.001	<0.0005	24	<0.01	<0.01	<0.001	10
	6/11/2009	<0.001	0.069	0.32	<0.001	<0.0005	16	<0.01	<0.01	<0.001	10
	11/12/2009	<0.001	0.064	0.32	<0.001	<0.0005	21	<0.01	<0.01	<0.002	10
	4/13/2010	<0.00021	0.056	0.3	<0.00012	<0.00016	20	<0.00054	<0.00026	<0.00052	9.9
	10/11/2010	0.00052(J)	0.066	0.32	0.00031(J)	0.00041(J)	24	0.0012(J)	0.00034(J)	<0.002	11
	4/12/2011	<0.001	0.07	0.32	<0.001	<0.0005	21	<0.002	<0.001	0.0012(J)	9.4
	12/6/2011	0.00032(J)	0.092	0.43	<0.001	<0.0005	25	<0.002	<0.001	0.0013	10
	5/7/2012	0.00041(J)	0.059	0.32	0.00036(J)	<0.0005	25	<0.002	<0.001	0.0007(J)	9.7
	10/8/2012	0.00049(J)	0.1	0.31(B)	0.00037(J)	<0.0005	21	0.00089(J)	0.00054(J)	0.0007(J)	8.4
	3/19/2013	<0.001	0.079	0.3	<0.001	<0.0005	15	<0.002	<0.001	<0.002	7.7
	9/24/2013	0.00039(J)	0.12	0.32	0.00013(J)	<0.0005	26(B)	<0.002	0.00074(J)	0.0012(J)	7.4
	3/18/2014	<0.001	0.086	0.34	<0.001	<0.0005	20	<0.002	0.00041(J)	<0.002	8.5
	9/16/2014	<0.001	0.1	0.3	0.00076(J)	<0.0005	31	0.0024(B)	0.0004(J)	0.0032	12
	3/24/2015	<0.002	0.054	0.28	<0.002	<0.001	24	<0.002	<0.002	<0.005	4.8
	9/24/2015	<0.002	0.153	0.324	<0.002	<0.001	39.3	<0.002	<0.002	0.000677	10.1
	2/9/2016	<0.002	0.0942	0.39	<0.002	<0.001	25.5	0.000818(J)	<0.002	0.00129(J)	8.94
	5/23/2016	n/a	0.0742	0.331	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/25/2016	0.000944(BJ)	0.0968	0.329	<0.002	<0.001	45.1	0.000956(BJ)	<0.002	<0.005	10.1
	12/1/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/6/2017	<0.002	0.0968	0.338	<0.002	<0.001	24.6	<0.002	<0.002	0.000746(J)	8.36
	5/24/2017	<0.002	0.0924	0.321	<0.002	<0.001	28.2	<0.002	0.00031(J)	<0.005	9.57
	9/1/2017	<0.002	0.1	0.403	<0.002	<0.001	54.9	<0.002	<0.002	<0.005	11.6
	11/17/2017	<0.002	0.0953	0.382	<0.002	<0.001	47.3	<0.002	0.000275(J)	0.000587(J)	10.4
	3/14/2018	<0.002	0.082	0.378	<0.002	<0.001	52.1	<0.002	<0.002	0.000582(J)	12.4
	6/14/2018	<0.002	0.0755	0.401	<0.002	<0.001	65.7	<0.002	<0.002	0.000898(J)	12.9
	9/13/2018	<0.002	0.102	0.429	<0.002	<0.001	61	<0.002	<0.002	<0.005	12.6
	12/13/2018	<0.002	0.0994	0.397	<0.002	<0.001	52.3	<0.002	<0.002	<0.005	12.4

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Historical Database, Mississippi County Class 1 Landfill

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MW-1 (cont.)	3/18/2019	<0.002	0.0797	0.469	<0.002	<0.001	60.6	<0.002	<0.002	0.000833(J)	15.3
	6/14/2019	<0.002	0.0924	0.501	<0.002	<0.001	68.2	<0.002	0.000394(J)	<0.005	13
	9/24/2019	<0.002	0.0813	0.499	<0.002	<0.001	80.7	0.000889(J)	<0.002	0.00187(J)	15.5
	12/3/2019	<0.002	0.104	0.377	<0.002	<0.001	43.4	0.00126(BJ)	0.000329(J)	0.00277(J)	10.5
	3/13/2020	<0.002	0.0742	0.443	0.000122(J)	<0.001	56.9	0.000798(BJ)	0.00041(J)	0.000632(J)	14
	6/3/2020	<0.004	0.0667	0.379	<0.002	<0.001	52.9	<0.002	<0.002	<0.005	11.8
	9/15/2020	<0.004	0.108	0.529	<0.002	<0.001	73.8	<0.002	<0.002	<0.005	15.6
	12/8/2020	<0.004	0.116	0.434	<0.002	<0.001	57.8	<0.002	0.000295(J)	<0.005	12.3
	3/11/2021	<0.004	0.0962	0.453	<0.002	<0.001	55.3	<0.002	0.000278(J)	<0.005	14.1
MW-2	<i>upgradient</i>										
	10/27/1993	<0.05	<0.05	0.299	<0.001	<0.002	n/a	<0.005	<0.003	0.002	n/a
	3/15/1994	<0.02	0.018	0.357	<0.002	<0.004	28.5	<0.003	<0.003	0.005	17.7
	6/14/1994	<0.02	0.015	0.342	0.002	<0.004	7	<0.003	<0.003	<0.004	19.7
	9/15/1994	0.069	<0.01	0.356	<0.002	<0.004	11	<0.003	<0.003	0.006	17.4
	12/22/1994	<0.02	0.032	0.387	0.003	<0.004	9	<0.003	0.005	0.004	18.5
	6/2/1995	<0.02	<0.01	0.411	<0.002	<0.004	9.5	<0.003	<0.003	<0.004	19.4
	12/14/1995	<0.02	<0.01	0.423	<0.002	0.005	8.5	0.011	0.004	0.014	24
	6/13/1996	<0.03	<0.05	0.38	<0.0003	<0.004	33	<0.007	<0.007	<0.006	17
	11/26/1996	<0.03	<0.05	0.4	<0.0003	<0.004	29	<0.007	<0.007	<0.006	20
	4/23/1997	<0.03	<0.05	0.36	<0.0003	<0.004	25	<0.007	<0.007	<0.006	12
	10/8/1997	<0.003	<0.04	0.36	<0.0003	<0.004	33	<0.007	<0.007	<0.006	18
	4/13/1998	<0.002	<0.04	0.43	<0.002	<0.003	34	<0.005	<0.007	<0.003	21
	11/5/1998	<0.002	<0.04	0.39	<0.0004	<0.004	32	<0.01	<0.007	<0.01	20
	4/1/1999	<0.002	<0.04	0.42	<0.0004	<0.004	31	<0.01	<0.007	<0.01	20
	10/22/1999	<0.002	0.046	0.39	<0.0004	<0.004	26	<0.01	<0.007	<0.01	19
	5/10/2000	<0.002	<0.04	0.47	<0.0004	<0.004	30	<0.01	<0.007	<0.01	24
	10/12/2000	<0.002	<0.04	0.38	<0.0004	<0.004	25	<0.01	<0.007	<0.01	21
	4/26/2001	<0.002	<0.04	0.37	<0.0004	<0.02	23	<0.01	<0.007	<0.01	20
	10/26/2001	<0.002	<0.04	0.44	<0.0004	<0.02	27	<0.01	<0.007	<0.01	22
	4/10/2002	<0.002	<0.04	0.46	<0.0004	<0.005	25	<0.01	<0.007	<0.01	20

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MW-2 (cont.)	11/6/2002	<0.002	<0.04	0.43	<0.0004	<0.005	26	<0.01	<0.007	<0.01	22
	4/18/2003	<0.002	<0.04	0.43	<0.0004	<0.005	28	<0.01	<0.007	<0.01	22
	11/5/2003	<0.002	<0.04	0.37	<0.0004	<0.005	30	<0.01	<0.007	<0.01	19
	4/29/2004	<0.002	<0.04	0.28	<0.0004	<0.005	43	<0.01	<0.007	<0.01	13
	10/20/2004	<0.002	<0.04	0.37	<0.0004	<0.005	29	<0.01	<0.007	<0.01	19
	4/27/2005	<0.002	<0.04	0.31	<0.0004	<0.005	31	<0.01	<0.007	<0.01	13
	10/4/2005	<0.002	<0.04	0.4	<0.0004	<0.005	35	<0.01	<0.007	<0.01	18
	4/26/2006	<0.002	<0.001	0.41	<0.0004	<0.005	39	<0.01	<0.007	<0.01	20
	10/3/2006	<0.002	<0.001	0.4	<0.0004	<0.005	40	<0.01	<0.007	<0.01	19
	4/11/2007	<0.002	0.0077	0.35	<0.0003	<0.005	29	<0.01	<0.007	<0.006	16
	10/4/2007	<0.002	0.0094	0.37	<0.0003	<0.005	32	<0.01	<0.007	<0.006	20
	4/21/2008	<0.001	0.006	0.38	<0.001	<0.0005	24	<0.01	<0.01	0.0015	18
	10/9/2008	<0.001	0.01	0.32	<0.001	<0.0005	21	<0.01	<0.01	<0.001	16
	6/11/2009	<0.001	0.0098	0.29	<0.001	<0.0005	21	<0.01	<0.01	<0.001	15
	11/12/2009	<0.001	0.0064	0.25	<0.005	<0.0005	21	<0.01	<0.01	<0.002	12
	4/13/2010	<0.00021	0.0065	0.27	<0.00012	<0.00016	17	<0.00054	<0.00026	<0.00052	18
	10/11/2010	0.00055(J)	0.011	0.36	0.00031(J)	0.00049(J)	27	0.0021	0.00063(J)	0.00084(J)	23
	4/12/2011	<0.001	0.013	0.38	<0.001	<0.0005	25	<0.002	<0.001	<0.002	22
	12/6/2011	0.00021(J)	0.019	0.54	<0.001	<0.0005	28	<0.002	0.00032	<0.002	29
	5/7/2012	0.00039(J)	0.014	0.37	0.00033(J)	<0.0005	16	<0.002	0.0004(J)	0.00084(J)	20
	10/8/2012	0.00048(J)	0.016	0.46(B)	0.00034(J)	<0.0005	23	0.0011(J)	0.00089(J)	<0.002	26
	3/19/2013	<0.001	0.014	0.4	<0.001	<0.0005	29	<0.002	0.00053(J)	<0.002	22
	9/24/2013	0.00037(J)	0.0058	0.38	0.00015(J)	0.0002(J)	45(B)	<0.002	0.001	0.0014(J)	18
	3/18/2014	<0.001	0.015	0.34	<0.001	<0.0005	22	<0.002	0.00067(J)	0.0006(J)	21
	9/16/2014	<0.001	0.013	0.34	0.00077(J)	<0.0005	23	0.0036(B)	0.00072(J)	0.0019(J)	20
	3/24/2015	<0.002	0.00088(J)	0.23	<0.002	<0.001	35	<0.002	<0.002	0.00066(J)	0.37
	9/23/2015	<0.002	0.0153	0.336	<0.002	<0.001	19.4	<0.002	<0.002	0.00136	15.1
	2/9/2016	0.000316(J)	0.0176	0.365	<0.002	<0.001	15.1	0.000775(J)	<0.002	0.0013(J)	18.3
	8/24/2016	<0.002	0.0131	0.289	<0.002	<0.001	21.6	0.000766(BJ)	0.000323(J)	<0.005	17.7
	12/1/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

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MW-2 (cont.)	3/3/2017	<0.002	0.00179(J)	0.0794	<0.002	<0.001	5.96	0.000823(J)	<0.002	0.0039(J)	0.0817(J)
	5/23/2017	<0.002	0.00355	0.234	<0.002	<0.001	17.1	0.000546(BJ)	0.000441(J)	0.0012(J)	6.17
	8/31/2017	<0.002	0.00127(J)	0.209	<0.002	<0.001	22	<0.002	<0.002	0.00117(J)	1.15
	11/17/2017	<0.002	0.00556	0.27	<0.002	<0.001	16.8	<0.002	0.000411(J)	0.000809(J)	10.4
	3/12/2018	<0.002	0.0024	0.15	<0.002	<0.001	9.03	<0.002	<0.002	0.00398(J)	0.48
	6/13/2018	<0.002	0.00239	0.192	<0.002	<0.001	7.45	<0.002	<0.002	0.00217(J)	5.56
	9/12/2018	<0.002	0.00438	0.253	<0.002	<0.001	19.8	<0.002	0.000344(J)	<0.005	11.9
	12/12/2018	<0.002	0.00305	0.157	<0.002	<0.001	11.2	0.00101(J)	<0.002	0.00182(J)	2.45
	3/12/2019	<0.002	0.00155(J)	0.164	<0.002	<0.001	11.1	<0.002	<0.002	0.00116(J)	3.28
	6/12/2019	0.00116(J)	0.0064	0.28	<0.002	<0.001	10.2	<0.002	<0.002	0.00058(J)	14.4
	9/24/2019	<0.002	0.0059	0.2	<0.002	<0.001	15.1	<0.002	0.000398(J)	<0.005	8.98
	12/3/2019	<0.002	0.00525	0.185	<0.002	<0.001	10.9	0.00123(BJ)	0.000459(J)	0.000775(J)	6.81
	3/12/2020	<0.002	0.00545	0.2	0.000204(J)	0.00018(J)	9.87	0.000985(BJ)	0.000365(J)	0.0014(J)	8.18
	6/2/2020	<0.004	0.00454	0.216	<0.002	<0.001	7.33	<0.002	<0.002	0.00271(J)	11.1
	9/14/2020	<0.004	0.00568	0.214	<0.002	<0.001	15.2	<0.002	<0.002	<0.005	10.3
	12/8/2020	<0.004	0.00845	0.296	<0.002	<0.001	19.3	<0.002	0.000489(J)	0.00159(J)	18.4
	3/11/2021	<0.004	0.0013(J)	0.133	<0.002	<0.001	14	<0.002	<0.002	0.00212(J)	0.156
MW-3	<i>downgradient</i>										
	10/27/1993	<0.05	<0.05(R)	0.334	<0.001	<0.002	n/a	<0.005	<0.003	<0.002	n/a
	3/15/1994	<0.02	0.054	0.35	<0.002	<0.004	3.5	<0.003	<0.003	0.007	15.6
	6/14/1994	<0.02	0.043	0.334	0.006	<0.004	4	<0.003	<0.003	<0.004	15.5
	9/15/1994	<0.02	0.018	0.392	<0.002	<0.004	2.5	<0.003	0.005	0.012	15.7
	12/22/1994	<0.02	0.058	0.397	<0.002	<0.004	3	<0.003	<0.003	<0.004	13.4
	6/2/1995	<0.02	0.019	0.35	<0.002	<0.004	3.5	<0.003	<0.003	<0.004	13
	12/14/1995	<0.02	<0.01	0.424	<0.002	0.005	3	0.009	0.003	0.012	15.6
	6/13/1996	<0.03	<0.05	0.32	<0.0003	<0.004	2.6	<0.007	<0.007	<0.006	15
	11/26/1996	<0.03	<0.05	0.22	<0.0003	<0.004	3.2	<0.007	<0.007	<0.006	5.3
	4/23/1997	<0.03	0.069	0.43	<0.0003	<0.004	2.9	<0.007	<0.007	<0.006	18
	10/8/1997	<0.003	<0.04	0.4	<0.0003	<0.004	4.2	<0.007	<0.007	<0.006	14
	4/13/1998	<0.002	<0.04	0.4	<0.002	<0.003	4	<0.005	<0.007	<0.003	14

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MW-3 (cont.)	11/5/1998	<0.002	<0.04	0.46	<0.0004	<0.004	4.7	<0.01	<0.007	<0.01	15
	4/1/1999	<0.002	0.056	0.4	<0.0004	<0.004	4.7	<0.01	<0.007	<0.01	15
	10/22/1999	<0.002	0.075	0.38	<0.0004	<0.004	5.5	<0.01	<0.007	<0.01	16
	5/10/2000	<0.002	0.046	0.5	<0.0004	<0.004	9.7	<0.01	<0.007	<0.01	18
	10/12/2000	<0.002	<0.04	0.34	<0.0004	<0.004	7.9	<0.01	<0.007	<0.01	17
	4/26/2001	<0.002	0.041	0.35	<0.0004	<0.02	5.7	<0.01	<0.007	<0.01	14
	10/26/2001	<0.002	0.044	0.35	<0.0004	<0.02	13	<0.01	<0.007	<0.01	18
	4/10/2002	<0.002	<0.04	0.43	<0.0004	<0.005	12	<0.01	<0.007	<0.01	16
	11/6/2002	<0.002	<0.04	0.42	<0.0004	<0.005	17	<0.01	<0.007	<0.01	16
	4/18/2003	<0.002	<0.04	0.45	<0.0004	<0.005	16	<0.01	<0.007	<0.01	16
	11/5/2003	<0.002	<0.04	0.38	<0.0004	<0.005	16	<0.01	<0.007	<0.01	13
	4/29/2004	<0.002	<0.04	0.43	<0.0004	<0.005	17	<0.01	<0.007	<0.01	8.8
	10/20/2004	<0.002	<0.04	0.42	<0.0004	<0.005	20	<0.01	<0.007	<0.01	19
	4/27/2005	<0.002	<0.04	0.41	<0.0004	<0.005	17	<0.01	<0.007	<0.01	18
	10/4/2005	<0.002	<0.04	0.45	<0.0004	<0.005	29	<0.01	<0.007	<0.01	22
	4/26/2006	<0.002	0.033	0.44	<0.0004	<0.005	23	<0.01	<0.007	<0.01	17
	10/3/2006	<0.002	0.033	0.43	<0.0004	<0.005	22	<0.01	<0.007	<0.01	19
	4/11/2007	<0.002	0.043	0.48	<0.0003	<0.005	21	<0.01	<0.007	<0.006	17
	10/4/2007	<0.002	0.043	0.45	<0.0003	<0.005	22	<0.01	<0.007	<0.006	22
	4/21/2008	<0.001	0.023	0.44	<0.001	<0.0005	23	<0.01	<0.01	0.00074	17
	10/9/2008	<0.001	0.044	0.44	<0.001	<0.0005	14	<0.01	<0.01	<0.001	19
	6/11/2009	<0.001	0.043	0.44	<0.001	<0.0005	19	<0.01	<0.01	<0.001	18
	11/12/2009	<0.001	0.036	0.53	<0.001	<0.0005	28	<0.01	<0.01	<0.002	18
	4/13/2010	<0.00021	0.042	0.38	<0.00012	<0.00016	23	<0.00054	<0.00026	<0.00052	16
	10/11/2010	0.0005(J)	0.041	0.55	<0.005	0.00047(J)	20	0.0013(J)	0.00048(J)	0.00091(J)	25
	4/12/2011	<0.001	0.036	0.54	<0.001	<0.0005	20	<0.002	<0.001	<0.002	25
	12/6/2011	0.00027(J)	0.035	0.7	<0.001	<0.0005	26	<0.002	<0.001	<0.002	23
	5/7/2012	<0.001	0.032	0.58	<0.005	<0.0005	32	0.00066(J)	<0.001	<0.002	17
	10/8/2012	0.00026(J)	0.037	0.44(B)	<0.001	<0.0005	15	<0.002	0.00046(J)	0.00071(J)	25
	3/20/2013	<0.001	0.025	0.63	<0.001	<0.0005	28	<0.002	<0.001	<0.002	18

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MW-3 (cont.)	9/25/2013	0.00038(J)	0.036	0.61	0.00012(J)	<0.0005	39(B)	<0.002	0.00075(J)	0.0012(J)	18
	3/18/2014	<0.001	0.03	0.49	<0.001	<0.0005	26	<0.002	0.00036(J)	0.00054(J)	16
	9/16/2014	<0.001	0.042	0.43	0.00075(J)	<0.0005	24	0.0031(B)	0.00054(J)	0.0011(J)	19
	3/24/2015	<0.002	0.019	0.5	<0.002	<0.001	30	<0.002	<0.002	<0.005	12
	9/21/2015	<0.002	0.0451	0.61	<0.002	<0.001	32.4	<0.002	<0.002	<0.005	18.8
	2/17/2016	<0.002	0.0333	0.421	<0.002	<0.001	27.4	<0.002	<0.002	0.00093(J)	15.1
	5/23/2016	n/a	n/a	n/a	n/a	n/a	42	n/a	n/a	n/a	n/a
	8/24/2016	<0.002	0.0364	0.483	<0.002	<0.001	29.5	<0.002	<0.002	0.000527(BJ)	24.9
	12/1/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	25.4
	3/6/2017	<0.002	0.0322	0.57	<0.002	<0.001	49.5	<0.002	<0.002	0.00182(J)	20.9
	5/24/2017	<0.002	0.0374	0.396	<0.002	<0.001	35.9	<0.002	<0.002	0.00083(J)	20.8
	9/1/2017	<0.002	0.0424	0.542	<0.002	<0.001	41.7	<0.002	<0.002	<0.005	20.1
	11/17/2017	<0.002	0.0408	0.496	<0.002	<0.001	38	<0.002	<0.002	<0.005	20.3
	3/13/2018	<0.002	0.0141	0.347	<0.002	<0.001	81	<0.002	0.000682(J)	0.00341(BJ)	9.05
	6/13/2018	<0.002	0.0391	0.494	<0.002	<0.001	79.1	<0.002	<0.002	0.000869(J)	27.2
	9/13/2018	<0.002	0.01	0.449	<0.002	0.000766(J)	112	<0.002	0.000671(J)	<0.005	10.9
	12/13/2018	<0.002	0.0027	0.305	<0.002	<0.001	112	<0.002	0.000729(J)	<0.005	4.16
	3/18/2019	<0.002	0.0298	0.372	<0.002	<0.001	36.5	<0.002	0.000609(J)	<0.005	20
	6/13/2019	<0.002	0.0395	0.469	<0.002	<0.001	25.8	<0.002	<0.002	<0.005	23.7
	9/24/2019	<0.002	0.0297	0.444	<0.002	<0.001	91.6	0.000715(J)	0.000651(J)	0.000613(J)	14.7
	12/3/2019	<0.002	0.00761	0.344	<0.002	<0.001	127	0.00135(BJ)	0.00105(J)	0.00061(J)	6.61
	3/13/2020	<0.002	0.0345	0.354	0.000127(J)	<0.001	36.5	0.000912(BJ)	0.000599(J)	0.000848(J)	18.4
	6/2/2020	<0.004	0.0212	0.431	<0.002	<0.001	121	<0.002	0.000638(J)	<0.005	13.9
	9/15/2020	<0.004	0.0345	0.513	<0.002	<0.001	91.9	<0.002	0.000485(J)	<0.005	22.7
	12/8/2020	<0.004	0.0216	0.53	<0.002	<0.001	162	<0.002	0.00101(J)	<0.005	14.5
	3/11/2021	<0.004	0.00436	0.261	<0.002	<0.001	139	<0.002	0.00154(J)	<0.005	3.08
MW-4	<i>downgradient</i>										
	10/27/1993	<0.05	<0.05(R)	0.335	<0.001	<0.002	n/a	<0.005	<0.003	0.006	n/a
	3/15/1994	<0.02	0.054	0.282	<0.002	<0.004	5.5	<0.003	<0.003	<0.004	14
	6/14/1994	<0.02	0.06	0.304	0.003	<0.004	3	<0.003	<0.003	<0.004	17.6

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chloride (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
MW-4 (cont.)	9/15/1994	<0.02	0.029	0.324	<0.002	<0.004	4.5	<0.003	0.003	0.006	17
	12/22/1994	<0.02	0.08	0.34	<0.002	<0.004	4.5	<0.003	<0.003	<0.004	17.2
	6/2/1995	<0.02	0.047	0.356	<0.002	<0.004	3.5	<0.003	<0.003	<0.004	18.8
	12/14/1995	<0.02	<0.01	0.349	<0.002	<0.004	4	0.008	<0.003	0.009	18.8
	6/13/1996	<0.03	<0.05	0.32	<0.0003	<0.004	3.2	<0.007	<0.007	<0.006	16
	11/26/1996	<0.03	0.059	0.31	<0.0003	<0.004	4.1	<0.007	<0.007	<0.006	16
	4/23/1997	<0.03	0.08	0.32	<0.0003	<0.004	2.1	<0.007	<0.007	<0.006	16
	10/8/1997	<0.003	<0.04	0.24	<0.0003	<0.004	2.9	<0.007	<0.007	<0.006	13
	4/13/1998	<0.002	0.075	0.23	<0.002	<0.003	2.5	<0.005	<0.007	<0.003	12
	11/5/1998	<0.002	0.047	0.24	<0.0004	<0.004	2.6	<0.01	<0.007	<0.01	12
	4/1/1999	<0.002	0.048	0.19	<0.0004	<0.004	5.6	<0.01	<0.007	<0.01	9.9
MW-4R	<i>downgradient</i>										
	10/22/1999	<0.002	0.088	0.49	<0.0004	<0.004	6.9	<0.01	<0.007	<0.01	19
	5/10/2000	<0.002	0.068	0.53	<0.0004	<0.004	7.1	<0.01	<0.007	<0.01	24
	10/12/2000	<0.002	0.049	0.42	<0.0004	<0.004	11	<0.01	<0.007	<0.01	18
	4/26/2001	<0.002	0.044	0.35	<0.0004	<0.02	9.3	<0.01	<0.007	<0.01	13
	10/26/2001	<0.002	0.042	0.41	<0.0004	<0.02	16	<0.01	<0.007	<0.01	13
	4/10/2002	<0.002	0.046	0.46	<0.0004	<0.005	21	<0.01	<0.007	<0.01	18
	11/6/2002	<0.002	<0.04	0.48	<0.0004	<0.005	17	<0.01	<0.007	<0.01	21
	4/18/2003	<0.002	0.042	0.43	<0.0004	<0.005	20	<0.01	<0.007	<0.01	18
	11/5/2003	<0.002	<0.04	0.41	<0.0004	<0.005	24	<0.01	<0.007	<0.01	17
	4/29/2004	<0.002	0.04	0.45	<0.0004	<0.005	22	<0.01	<0.007	<0.01	19
	10/20/2004	<0.002	0.042	0.44	<0.0004	<0.005	23	<0.01	<0.007	<0.01	19
	4/27/2005	<0.002	0.049	0.51	<0.0004	<0.005	28	<0.01	<0.007	<0.01	20
	10/4/2005	<0.002	<0.04	0.62	<0.0004	<0.005	42	<0.01	<0.007	<0.01	24
	4/26/2006	<0.002	0.036	0.55	<0.0004	<0.005	42	<0.01	<0.007	<0.01	21
	10/3/2006	<0.002	0.029	0.67	<0.0004	<0.005	47	<0.01	<0.007	<0.01	24
	4/11/2007	<0.002	0.047	0.65	<0.0003	<0.005	50	<0.01	<0.007	<0.006	23

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chloride (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
MW-4R	10/4/2007	<0.002	0.055	0.6	<0.0003	<0.005	70	<0.01	<0.007	<0.006	26
(cont.)	4/21/2008	<0.001	0.042	0.58	<0.001	<0.0005	60	<0.01	<0.01	<0.001	25
	10/9/2008	<0.001	0.054	0.57	<0.001	<0.0005	69	<0.01	<0.01	<0.001	24
MW-4R2	downgradient										
	6/11/2009	<0.001	0.042	0.31	<0.001	<0.0005	8.3	<0.01	<0.01	<0.001	13
	11/12/2009	<0.001	0.039	0.33	<0.001	<0.0005	8.4	<0.01	<0.01	<0.002	15
	4/14/2010	<0.00021	0.044	0.31	<0.00012	<0.00016	23	<0.00054	<0.00026	<0.00052	14
	10/12/2010	0.00073(J)	0.05	0.36	0.00033(J)	0.00044(J)	6.8	0.0015(J)	0.00052(J)	0.00084(J)	16
	4/13/2011	<0.001	0.046	0.35	<0.001	<0.0005	7.6	<0.002	<0.001	<0.002	16
	12/6/2011	0.00028(J)	0.074	0.44	<0.001	<0.0005	9.7	0.00067	0.0005	0.00052	17
	5/7/2012	<0.001	0.049	0.36	<0.005	<0.0005	5.9	0.00055(J)	<0.001	<0.002	13
	10/8/2012	0.00027(J)	0.049	0.26(B)	<0.001	<0.0005	5.5	<0.002	0.0005(J)	<0.002	12
	3/20/2013	<0.001	0.025	0.16	<0.001	<0.0005	5.2	<0.002	<0.001	<0.002	4.8
	9/25/2013	0.00037(J)	0.074	0.33	<0.001	<0.0005	12(B)	<0.002	0.001	0.0013(J)	15
	3/18/2014	<0.001	0.046	0.21	0.00021(J)	<0.0005	5.4	<0.01	<0.005	<0.01	9.9
	9/16/2014	<0.001	0.08	0.25	0.0007(J)	<0.0005	5.9	0.0011(JB)	0.00049(J)	0.00073(J)	12
	3/24/2015	<0.002	0.049	0.18	<0.002	<0.001	7.1	<0.002	<0.002	<0.005	6.1
	9/23/2015	0.000323(J)	0.0998	0.288	<0.002	<0.001	8.3	<0.002	0.000397	0.000686	13.2
	2/9/2016	<0.002	0.0741	0.28	<0.002	<0.001	11.9	0.000723(J)	<0.002	0.00138(J)	11.8
	8/24/2016	<0.002	0.0835	0.259	<0.002	<0.001	10.4	0.000844(BJ)	<0.002	0.00109(BJ)	12.5
	3/3/2017	<0.002	0.0754	0.371	<0.002	<0.001	12.2	<0.002	<0.002	<0.005	15.8
	5/23/2017	<0.002	0.0433	0.283	<0.002	<0.001	12.1	<0.002	<0.002	0.000695(J)	12.5
	9/1/2017	<0.002	0.0928	0.315	<0.002	<0.001	13.2	<0.002	0.000441(J)	<0.005	13.2
	11/17/2017	<0.002	0.155	0.375	<0.002	<0.001	14.5	<0.002	0.0009(J)	0.000532(J)	19.7
	3/12/2018	<0.002	0.0548	0.379	<0.002	<0.001	13.2	<0.002	<0.002	0.00057(J)	17
	6/13/2018	<0.002	0.0266	0.264	<0.002	<0.001	14.8	<0.002	<0.002	<0.005	9.11
	9/12/2018	<0.002	0.0957	0.306	<0.002	<0.001	13.5	<0.002	0.000705(J)	<0.005	13.4
	12/12/2018	<0.002	0.0993	0.288	<0.002	<0.001	12.7	<0.002	0.00108(J)	<0.005	12.6
	3/12/2019	<0.002	0.0507	0.349	<0.002	<0.001	15.8	<0.002	<0.002	0.00237(J)	13.6
	6/12/2019	<0.002	0.052	0.326	<0.002	<0.001	13.6	<0.002	<0.002	0.000565(J)	12.9

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MW-4R2 (cont.)	9/24/2019	<0.002	0.0799	0.324	<0.002	<0.001	13.6	<0.002	0.000573(J)	<0.005	13.2
	12/3/2019	<0.002	0.0658	0.339	<0.002	<0.001	23.1	0.00131(BJ)	0.000296(J)	<0.005	16.4
	3/12/2020	<0.002	0.0666	0.346	<0.002	<0.001	22.6	0.000861(BJ)	<0.002	<0.005	16.7
	6/2/2020	<0.004	0.0496	0.319	<0.002	<0.001	26	<0.002	<0.002	<0.005	13.8
	9/14/2020	<0.004	0.104	0.393	<0.002	<0.001	28.2	<0.002	0.000515(J)	<0.005	17
	12/8/2020	<0.004	0.115	0.396	<0.002	<0.001	22.5	<0.002	0.00119(J)	<0.005	17.5
	3/11/2021	<0.004	0.104	0.403	<0.002	<0.001	23.8	<0.002	0.000638(J)	<0.005	19.5
MW-5	downgradient										
	6/14/1994	<0.02	<0.01	1.67	0.02	<0.004	4.5	<0.003	0.062	0.176	192
	9/15/1994	<0.02	<0.01	0.406	<0.002	<0.004	4	<0.003	0.008	0.019	24.2
	12/22/1994	<0.02	<0.01	0.568	<0.002	<0.004	3	<0.003	0.01	0.025	39.8
	6/2/1995	<0.02	<0.01	0.197	<0.002	<0.004	1.5	<0.003	<0.003	<0.004	6.63
	12/14/1995	0.028	<0.01	0.348	0.002	0.004	1.5	0.01	0.004	0.014	24.7
	6/13/1996	<0.03	<0.05	0.17	<0.0003	<0.004	3.4	<0.007	<0.007	<0.006	6.1
	11/26/1996	<0.03	<0.05	0.19	<0.0003	<0.004	3.5	<0.007	<0.007	<0.006	8.3
	4/23/1997	<0.03	<0.05	0.33	0.00054	<0.004	1.9	0.008	<0.007	0.01	24
	10/8/1997	<0.003	<0.04	0.14	<0.0003	<0.004	3.5	<0.007	<0.007	<0.006	4.2
	4/13/1998	<0.002	<0.04	0.14	<0.002	<0.003	3.2	<0.005	<0.007	<0.003	4.6
	11/5/1998	<0.002	<0.04	0.18	<0.0004	<0.004	2.6	<0.01	<0.007	<0.01	5.4
	4/1/1999	<0.002	<0.04	0.13	<0.0004	<0.004	4.3	<0.01	<0.007	<0.01	2.9
	10/22/1999	<0.002	<0.04	0.19	<0.0004	<0.004	4.5	<0.01	<0.007	<0.01	9.5
	5/10/2000	<0.002	<0.04	0.27	<0.0004	<0.004	5.3	<0.01	<0.007	<0.01	13
	10/12/2000	<0.002	<0.04	0.22	<0.0004	<0.004	4.2	<0.01	<0.007	<0.01	10
	4/26/2001	<0.002	<0.04	0.2	<0.0004	<0.02	5	<0.01	<0.007	<0.01	6.5
	10/26/2001	<0.002	<0.04	0.2	<0.0004	<0.02	4.6	<0.01	<0.007	<0.01	4.9
	4/10/2002	<0.002	<0.04	0.21	<0.0004	<0.005	6.5	<0.01	<0.007	<0.01	5.4
	11/6/2002	<0.002	<0.04	0.15	<0.0004	<0.005	13	<0.01	<0.007	<0.01	1.6
	4/18/2003	<0.002	<0.04	0.14	<0.0004	<0.005	9.7	<0.01	<0.007	<0.01	3.4

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MW-5R	downgradient										
	11/5/2003	<0.002	0.057	0.3	<0.0004	<0.005	3	<0.01	<0.007	<0.01	9.3
	4/29/2004	<0.002	0.05	0.32	<0.0004	<0.005	2.3	<0.01	<0.007	<0.01	14
	10/20/2004	<0.002	0.057	0.33	<0.0004	<0.005	2.4	<0.01	<0.007	<0.01	14
	4/27/2005	<0.002	0.047	0.34	<0.0004	<0.005	2.6	<0.01	<0.007	<0.01	15
	10/4/2005	<0.002	0.063	0.35	<0.0004	<0.005	3.1	<0.01	<0.007	<0.01	15
	4/26/2006	<0.002	0.055	0.37	<0.0004	<0.005	2.6	<0.01	<0.007	<0.01	16
	10/3/2006	<0.002	0.046	0.33	<0.0004	<0.005	3	<0.01	<0.007	<0.01	14
	4/11/2007	<0.002	0.057	0.39	<0.0003	<0.005	2.8	<0.01	<0.007	<0.006	17
	10/4/2007	<0.002	0.083	0.39	<0.0003	<0.005	3.2	<0.01	<0.007	<0.006	17
	4/21/2008	<0.001	0.032	0.34	<0.001	<0.0005	2.2	<0.01	<0.01	0.0012	15
	10/9/2008	<0.001	0.066	0.33	<0.001	<0.0005	2.3	<0.01	<0.01	<0.001	14
	6/11/2009	<0.001	0.056	0.35	<0.001	<0.0005	4.1	<0.01	<0.01	<0.001	16
	11/12/2009	<0.001	0.052	0.35	<0.005	<0.0005	3.6	<0.01	<0.01	<0.002	16
	4/14/2010	<0.00021	0.05	0.41	<0.00012	<0.00016	2.8	<0.00054	<0.00026	<0.00052	17
	10/12/2010	0.00052(J)	0.064	0.41	<0.005	0.00042(J)	1.9	0.00081(J)	0.0005(J)	0.00053(J)	17
	4/13/2011	<0.001	0.052	0.4	<0.001	<0.0005	3.2	<0.002	<0.001	<0.002	17
	12/6/2011	0.00096(J)	0.08	0.43	<0.001	<0.0005	7.3	<0.002	0.0004	0.0007	16
	5/7/2012	<0.001	0.062	0.42	<0.005	<0.0005	3.7	<0.002	<0.001	<0.002	17
	10/8/2012	0.00022(J)	0.064	0.37(B)	<0.001	<0.0005	4.2	<0.002	0.00069(J)	0.0011(J)	15
	3/20/2013	<0.001	0.048	0.34	<0.001	<0.0005	3.9	<0.002	<0.001	<0.002	15
	9/25/2013	0.00041(J)	0.0019	0.23	0.00012(J)	<0.0005	5.6(B)	<0.002	0.00073(J)	0.0014(J)	0.4
	3/18/2014	0.00032(J)	0.048	0.36	0.00027(J)	0.00017(J)	4.7	<0.01	<0.005	<0.01	17
	9/17/2014	<0.001	0.072	0.35	0.00073(J)	<0.0005	3.8	0.0022(B)	0.00043(J)	0.00097(J)	16
	3/24/2015	<0.002	0.0046	0.18	<0.002	<0.001	4.3	<0.002	<0.002	<0.005	0.53
	9/23/2015	<0.002	0.0862	0.396	<0.002	<0.001	4.1	<0.002	<0.002	0.000778	15.1
	2/9/2016	<0.002	0.0528	0.416	<0.002	<0.001	5.04	0.000796(J)	<0.002	0.00192(J)	16.9
	5/23/2016	n/a	n/a	n/a	n/a	n/a	10.2	n/a	n/a	n/a	n/a
	8/24/2016	<0.002	0.0811	0.363	<0.002	<0.001	3.95	0.000881(BJ)	<0.002	0.000852(BJ)	15.1
	3/3/2017	<0.002	0.0592	0.421	<0.002	<0.001	4.3	<0.002	<0.002	<0.005	16.7

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Historical Database, Mississippi County Class 1 Landfill

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MW-5R (cont.)	5/23/2017	<0.002	0.0547	0.394	<0.002	<0.001	5.84	<0.002	<0.002	0.000617(J)	18.4
	9/1/2017	<0.002	0.092	0.383	<0.002	<0.001	3.87	<0.002	0.000288(J)	<0.005	14.6
	11/17/2017	<0.002	0.0715	0.387	<0.002	<0.001	5.33	<0.002	<0.002	0.00112(J)	16.6
	3/13/2018	<0.002	0.0606	0.431	0.000147(J)	<0.001	7.03	<0.002	<0.002	0.00603(B)	20.1
	6/13/2018	<0.002	0.0428	0.364	<0.002	<0.001	8.89	<0.002	<0.002	0.000621(J)	15.2
	9/13/2018	<0.002	0.0909	0.384	<0.002	<0.001	5.55	<0.002	0.000363(J)	<0.005	15.9
	12/13/2018	0.00105(J)	0.0679	0.423	<0.002	<0.001	6.77	0.00076(J)	<0.002	<0.005	19.7
	3/13/2019	<0.002	0.0581	0.441	<0.002	<0.001	7.64	<0.002	<0.002	<0.005	17.7
	6/13/2019	<0.002	0.06	0.466	<0.002	<0.001	9.8	<0.002	<0.002	0.000767(J)	18.7
	9/24/2019	<0.002	0.0774	0.394	<0.002	<0.001	7.34	0.000962(J)	0.000271(J)	0.0011(J)	16.2
	12/3/2019	<0.002	0.0595	0.418	<0.002	<0.001	7.5	0.00118(BJ)	<0.002	0.000844(J)	19
	3/12/2020	<0.002	0.0599	0.442	<0.002	<0.001	10.7	0.000842(BJ)	<0.002	0.000732(J)	20.2
	6/2/2020	<0.004	0.0532	0.454	<0.002	<0.001	12.5	<0.002	<0.002	<0.005	19.3
	9/14/2020	<0.004	0.086	0.401	<0.002	<0.001	9.22	<0.002	0.000498(J)	<0.005	16.4
	12/8/2020	<0.004	0.1	0.431	<0.002	<0.001	7.61	<0.002	0.000573(J)	<0.005	17.3
	3/11/2021	<0.004	0.0899	0.427	<0.002	<0.001	9.07	<0.002	0.000464(J)	<0.005	17.2
MW-6	<i>downgradient</i>										
	11/5/2003	<0.002	<0.04	0.41	<0.0004	<0.005	10	<0.01	<0.007	<0.01	15
	4/29/2004	<0.002	<0.04	0.36	<0.0004	<0.005	9	<0.01	<0.007	<0.01	12
	10/20/2004	<0.002	<0.04	0.38	<0.0004	<0.005	7.7	<0.01	<0.007	<0.01	16
	4/27/2005	<0.002	<0.04	0.36	<0.0004	<0.005	8.7	<0.01	<0.007	<0.01	15
	10/4/2005	<0.002	<0.04	0.36	<0.0004	<0.005	7.2	<0.01	<0.007	<0.01	13
	4/26/2006	<0.002	<0.001	0.38	<0.0004	<0.005	15	<0.01	<0.007	<0.01	7.8
	10/3/2006	<0.002	<0.001	0.37	<0.0004	<0.005	18	<0.01	<0.007	<0.01	8.8
	4/11/2007	<0.002	0.0041	0.4	<0.0003	<0.005	19	<0.01	<0.007	<0.006	11
	10/4/2007	<0.002	0.0046	0.35	<0.0003	<0.005	12	<0.01	<0.007	<0.006	14
	4/21/2008	<0.001	0.0028	0.34	<0.001	<0.0005	20	<0.01	<0.01	0.0015	8.6
	10/9/2008	<0.001	0.0043	0.33	<0.001	<0.0005	13	<0.01	<0.01	<0.001	11
	6/11/2009	<0.001	0.0042	0.36	<0.001	<0.0005	23	<0.01	<0.01	0.0012	9.4
	11/12/2009	<0.001	0.0013	0.28	<0.005	<0.0005	18	<0.01	<0.01	<0.002	3.5

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MW-6 (cont.)	4/14/2010	<0.00021	0.0028	0.33	<0.00012	<0.00016	18	<0.00054	<0.00026	<0.00052	8.6
	10/12/2010	0.0005(J)	0.0046	0.43	0.00031(J)	0.0004(J)	12	0.0016(J)	0.00046(J)	<0.002	14
	4/13/2011	<0.001	0.0016	0.3	<0.001	<0.0005	17	<0.002	<0.001	<0.002	4.8
	12/6/2011	0.00032(J)	0.0025	0.28	<0.001	<0.0005	19	<0.002	0.00033	<0.002	3.2
	5/8/2012	<0.001	0.0034	0.29	<0.005	<0.0005	15	<0.002	<0.001	<0.002	5.7
	10/8/2012	0.00022(J)	0.0048	0.4(B)	0.00012(J)	<0.0005	18	<0.002	0.00051(J)	<0.002	19
	3/20/2013	<0.001	0.0016	0.23	<0.001	<0.0005	16	0.00071(J)	0.00027(J)	<0.002	2.8
	9/25/2013	<0.001	0.0011	0.25	<0.001	<0.0005	24(B)	<0.002	0.00028(J)	<0.002	2.6
	3/19/2014	0.00028(J)	0.0017	0.23	0.00028(J)	0.00017(J)	17	<0.002	0.00063(J)	<0.002	3.2
	9/17/2014	<0.001	0.0029	0.26	0.00075(J)	<0.0005	32	0.0028(B)	0.00069(J)	0.00096(J)	4
	3/24/2015	<0.002	0.00094(J)	0.26	<0.002	<0.001	26	<0.002	<0.002	<0.005	1.8
	9/23/2015	<0.002	0.00357	0.295	<0.002	<0.001	27.2	<0.002	0.000437	0.000669	6
	2/9/2016	<0.002	0.00393	0.351	<0.002	<0.001	31.6	0.000593(J)	0.000339(J)	0.00161(J)	6.85
	5/23/2016	n/a	n/a	n/a	n/a	n/a	25.5	n/a	n/a	n/a	n/a
	8/24/2016	<0.002	0.00103(J)	0.258	<0.002	<0.001	32.4	0.00105(BJ)	0.000382(J)	0.00113(BJ)	1.08
	3/6/2017	<0.002	0.00155(J)	0.306	<0.002	<0.001	40.2	<0.002	0.00066(J)	0.000542(J)	3.13
	5/23/2017	<0.002	0.00289	0.35	<0.002	<0.001	46.4	<0.002	0.000497(J)	0.000653(J)	7.53
	9/1/2017	<0.002	0.00287	0.401	<0.002	<0.001	86.9	<0.002	0.00117(J)	<0.005	5.07
	11/17/2017	<0.002	0.00254	0.406	<0.002	<0.001	114	<0.002	0.00116(J)	0.000666(J)	6.09
	3/13/2018	<0.002	0.00357	0.452	<0.002	<0.001	104	0.000564(J)	0.00083(J)	0.00679(B)	8.96
	6/13/2018	<0.002	0.0023	0.354	<0.002	<0.001	79	<0.002	0.00184(J)	0.00133(J)	3.55
	9/13/2018	<0.002	0.00287	0.348	<0.002	<0.001	76.5	<0.002	0.00102(J)	<0.005	5.68
	12/13/2018	<0.002	0.00385	0.427	<0.002	<0.001	72	<0.002	0.000785(J)	<0.005	11.6
	3/14/2019	<0.002	0.00346	0.45	<0.002	<0.001	73.6	<0.002	0.000567(J)	0.000701(J)	9.75
	6/13/2019	<0.002	0.00293	0.419	<0.002	<0.001	58.3	<0.002	0.00128(J)	<0.005	7.58
	9/24/2019	<0.002	0.00369	0.335	<0.002	<0.001	43.6	0.000725(J)	0.000777(J)	0.000828(J)	7.83
	12/3/2019	<0.002	0.00227	0.315	<0.002	<0.001	53.4	0.00127(BJ)	0.000966(J)	0.000736(J)	5.09
	3/13/2020	0.0011(J)	0.00339	0.358	0.000145(J)	<0.001	47.5	0.000987(BJ)	0.000922(J)	0.000941(J)	7.77
	6/2/2020	<0.004	0.00258	0.339	<0.002	<0.001	44.6	<0.002	0.000922(J)	<0.005	6.57

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MW-6 (cont.)	9/14/2020	<0.004	0.00277	0.335	<0.002	<0.001	40.9	<0.002	0.000655(J)	<0.005	6.97
	12/8/2020	<0.004	0.00289	0.31	<0.002	<0.001	35.3	<0.002	0.000958(J)	0.00279(J)	6.07
	3/11/2021	<0.004	0.00317	0.304	<0.002	<0.001	30.9	<0.002	0.000492(J)	<0.005	7.37
OB-1	<i>upgradient</i>										
	4/11/2007	<0.002	0.075	0.28	<0.0003	<0.005	2.5	<0.01	<0.007	<0.006	7.9
	11/30/2016	<0.002	0.0739	0.284	<0.002	<0.001	1.53	<0.002	<0.002	0.000946(J)	8.05
	3/1/2017	<0.002	0.068	0.261	<0.002	0.000944(J)	1.46	<0.002	<0.002	0.00187(J)	8.06
	5/17/2017	<0.002	0.041	0.281	<0.002	0.000785(J)	1.68	<0.002	<0.002	<0.005	9.14
	8/16/2017	<0.002	0.0588	0.296	<0.002	0.000214(J)	1.29	<0.002	<0.002	<0.005	10.6
	11/13/2017	<0.002	0.0728	0.297	<0.002	<0.001	2.12	<0.002	<0.002	0.000647(J)	9.89
	3/12/2018	<0.002	0.0541	0.297	0.000308(J)	0.000951(J)	1.21	<0.002	<0.002	0.00228(J)	11.7
	6/11/2018	<0.002	0.0428	0.323	<0.002	0.00104	1.22(B)	<0.002	<0.002	0.000988(J)	11.1
	9/12/2018	<0.002	0.0547	0.32	<0.002	<0.001	1.4	<0.002	<0.002	<0.005	11.3
	12/11/2018	<0.002	0.0511	0.32	<0.002	0.000173(J)	1.26(B)	<0.002	<0.002	<0.005	12.4
	3/12/2019	<0.002	0.0326	0.255	<0.002	0.000239(J)	1.03	<0.002	<0.002	0.000873(J)	8.39
	6/12/2019	<0.002	0.0321	0.275	<0.002	0.000547(J)	0.528(J)	<0.002	<0.002	0.000775(J)	7.75
	9/24/2019	<0.002	0.0474	0.29	<0.002	<0.001	1.31	0.00118(J)	<0.002	<0.005	9.59
	12/3/2019	<0.002	0.0379	0.248	<0.002	<0.001	0.999(J)	0.001(BJ)	<0.002	0.000773(J)	7.35
	3/10/2020	<0.002	0.00202	0.176	<0.002	0.000442(J)	0.942(J)	0.00116(BJ)	<0.002	<0.005	0.206
	6/2/2020	<0.004	0.0171	0.219	<0.002	<0.001	1.13	<0.002	<0.002	<0.005	3.75
	9/14/2020	<0.004	0.0735	0.303	<0.002	<0.001	1.23	<0.002	<0.002	<0.005	7.89
	12/8/2020	<0.004	0.0866	0.308	<0.002	0.000169(J)	1.51(B)	<0.002	0.000149(J)	<0.005	7.95
	3/9/2021	<0.004	0.0308	0.235	<0.002	0.000276(J)	1.44(B)	<0.002	0.0002(J)	<0.005	5.27
MW-10	<i>upgradient</i>										
	4/2/2013	0.00062(J)	0.0045	0.16	0.0002(J)	<0.0005	3.9	<0.002	0.00073(J)	0.0011(J)	2.4
	6/12/2013	<0.001	0.001	0.13	<0.001	<0.0005	3.4	<0.002	<0.001	0.00069(J)	0.08(J)
	9/25/2013	<0.001	0.0014	0.12	<0.001	<0.0005	6(B)	<0.002	0.0011	0.00096(J)	0.51
	12/11/2013	<0.005	0.0069	0.18	<0.001	<0.0025	4.6	<0.01	0.00056(J)	<0.002	6.1
	3/19/2014	0.00031(J)	0.0085	0.077	0.0003(J)	0.0003(J)	2.6	<0.002	0.0013	0.00076(J)	3.1
	6/25/2014	<0.001	0.012	0.094	<0.001	0.0009	2.9	<0.002	0.00065(J)	0.00087(J)	6

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MW-10 (cont.)	9/18/2014	<0.001	0.019	0.12	0.00073(J)	<0.0005	3.7	0.0021(B)	0.0014	0.00095(J)	15
	12/16/2014	<0.002	0.017	0.2	<0.002	<0.001	12	<0.002	0.0019(J)	<0.005	15
	3/25/2015	<0.002	0.00046(J)	0.081	<0.002	<0.001	2.5	<0.002	<0.002	0.00075(J)	0.014(J)
	9/24/2015	<0.002	0.00693	0.0991	<0.002	<0.001	3.65	<0.002	0.000893	0.00148	4.22
	2/18/2016	0.00029(J)	0.00105(J)	0.073	<0.002	<0.001	2.01	<0.002	<0.002	0.00142(J)	0.16
	8/25/2016	0.00106(BJ)	0.00724	0.0983	<0.002	<0.001	3.1	0.000988(BJ)	0.000678(J)	<0.005	4.84
	5/18/2017	<0.002	0.0015(J)	0.0873	<0.002	<0.001	1.89	<0.002	0.000408(J)	0.000746(J)	0.677
	11/14/2017	<0.002	0.00422	0.101	<0.002	<0.001	2.95	<0.002	0.000418(J)	<0.005	4.1
	6/11/2018	<0.002	0.00404	0.0821	<0.002	<0.001	2	<0.002	0.000456(J)	0.00117(J)	1.78
	12/17/2018	<0.002	0.00502	0.0754	<0.002	<0.001	1.53	0.000556(J)	0.000884(J)	0.00112(J)	4.55
	6/19/2019	<0.002	0.00753	0.097	<0.002	<0.001	2.66	<0.002	0.000539(J)	0.00159(BJ)	7.52
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<0.002	0.00102(J)	0.0824	<0.002	<0.001	1.57	0.00145(BJ)	<0.002	0.00143(J)	0.51
	6/10/2020	<0.004	0.00499	0.1	<0.002	<0.001	2.2	<0.002	<0.002	<0.005	5.08
	12/10/2020	<0.004	0.00263	0.113	<0.002	<0.001	2.93(B)	<0.002	0.000256(J)	0.00239(J)	3.64
MW-11	<i>upgradient</i>										
	11/5/2015	0.000306(J)	0.048	0.288	<0.002	<0.001	3.67	<0.002	0.002	<0.005	18.7
	2/10/2016	<0.002	0.0546	0.277	<0.002	<0.001	4.31	0.000626(J)	0.00239	0.00152(J)	14.8
	5/19/2016	<0.002	0.0674	0.32	<0.002	<0.001	4.09	<0.002	0.00249	<0.005	20.2
	8/28/2016	<0.002	0.0685	0.299	<0.002	<0.001	4.71	0.000783(BJ)	0.00227	0.000569(BJ)	20.7
	12/1/2016	<0.002	0.0632	0.271	<0.002	<0.001	3.88	<0.002	0.00193(J)	<0.005	16.8
	3/2/2017	<0.002	0.0477	0.248	<0.002	<0.001	3.86	<0.002	0.00147(J)	<0.005	12
	5/19/2017	<0.002	0.0731	0.286	<0.002	<0.001	4.79	<0.002	0.00236	<0.005	22.4
	8/17/2017	<0.002	0.0672	0.256	<0.002	<0.001	3.99	<0.002	0.00186(J)	<0.005	16.7
	11/14/2017	<0.002	0.066	0.251	<0.002	<0.001	3.48	<0.002	0.00174(J)	0.0013(J)	15.2
	6/11/2018	<0.002	0.0715	0.302	<0.002	<0.001	3.79	<0.002	0.00208	<0.005	21.1
	12/17/2018	<0.002	0.0321	0.0989	<0.002	<0.001	1.96	0.000647(J)	0.00157(J)	0.00122(J)	10.6
	3/13/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/20/2019	<0.002	0.04	0.182	<0.002	<0.001	3.67	<0.002	0.000563(J)	0.00201(BJ)	15.7
	12/5/2019	<0.002	0.0271	0.149	<0.002	<0.001	3	0.00144(BJ)	0.000272(J)	0.000652(J)	6.89

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MW-11 (cont.)	6/10/2020	<0.004	0.0544	0.155	<0.002	<0.001	3.87	<0.002	<0.002	0.00339(J)	16.3
	12/9/2020	<0.004	0.0329	0.224	<0.002	<0.001	3.02(B)	<0.002	0.000214(J)	0.00186(J)	13.1
	3/9/2021	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	4/19/2021	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MW-12	<i>downgradient</i>										
	11/5/2015	<0.002	0.0929	0.246	<0.002	<0.001	5.77	<0.002	0.00159	<0.005	6.82
	2/10/2016	<0.002	0.0526	0.174	<0.002	<0.001	4.65	0.000692(J)	0.00155(J)	0.00173(J)	5.02
	5/19/2016	0.000349(J)	0.0644	0.206	<0.002	<0.001	4.25	<0.002	0.00141(J)	<0.005	5.6
	8/28/2016	<0.002	0.0679	0.255	<0.002	<0.001	5.47	0.000662(BJ)	0.00199(J)	0.000923(BJ)	7.1
	12/1/2016	<0.002	0.0915	0.246	<0.002	<0.001	5.54	<0.002	0.00183(J)	<0.005	7.17
	3/2/2017	<0.002	0.0078	0.127	<0.002	<0.001	4.06	<0.002	0.000358(J)	0.00065(J)	0.841
	5/19/2017	<0.002	0.101	0.25	<0.002	<0.001	6.07	<0.002	0.00186(J)	<0.005	8.39
	8/17/2017	<0.002	0.0381	0.161	<0.002	<0.001	4.39	<0.002	0.00252	<0.005	5.59
	11/14/2017	<0.002	0.0404	0.148	<0.002	<0.001	6.13	<0.002	0.00279	<0.005	6.48
	6/11/2018	<0.002	0.0626	0.198	<0.002	<0.001	7.32	<0.002	0.00253	<0.005	5.99
	12/17/2018	<0.002	0.0178	0.106	<0.002	<0.001	3.38	0.000622(J)	0.00127(J)	0.000684(J)	6.57
	3/13/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/20/2019	<0.002	0.0571	0.167	<0.002	<0.001	6.3	<0.002	0.00147(J)	0.000645(BJ)	8.79
	12/5/2019	<0.002	0.0112	0.124	<0.002	<0.001	4.25	0.00118(BJ)	0.000695(J)	<0.005	4.96
	6/10/2020	<0.004	0.0369	0.188	<0.002	<0.001	5.9	<0.002	0.000982(J)	<0.005	7.05
	12/10/2020	<0.004	0.0151	0.158	<0.002	<0.001	5.2(B)	<0.002	0.00137(J)	<0.005	2.45
MW-13	<i>downgradient</i>										
	11/5/2015	<0.002	0.0359	0.282	<0.002	<0.001	7.6	<0.002	<0.002	<0.005	11.8
	2/10/2016	<0.002	0.0531	0.356	<0.002	<0.001	4.52	0.000887(J)	<0.002	0.00184(J)	16.3
	5/19/2016	<0.002	0.0536	0.296	<0.002	<0.001	4.24	<0.002	0.000919(J)	<0.005	15.9
	8/28/2016	<0.002	0.056	0.359	<0.002	<0.001	4.19	0.00108(BJ)	<0.002	0.00182(BJ)	17.6
	12/1/2016	<0.002	0.0437	0.295	<0.002	<0.001	4.19	<0.002	0.000526(J)	<0.005	14.8
	3/2/2017	<0.002	0.012	0.216	<0.002	<0.001	5.17	<0.002	<0.002	0.00113(J)	3.83
	5/24/2017	<0.002	0.0543	0.352	<0.002	<0.001	4.2	<0.002	<0.002	<0.005	18.5
	8/18/2017	<0.002	0.0522	0.352	<0.002	<0.001	3.81	<0.002	<0.002	0.00805	18.1

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MW-13 (cont.)	11/14/2017	<0.002	0.0507	0.327	<0.002	<0.001	4.93	<0.002	<0.002	<0.005	17.4
	6/11/2018	<0.002	0.0571	0.365	<0.002	<0.001	4.18	<0.002	<0.002	0.000548(J)	18.3
	12/19/2018	<0.002	0.0236	0.109	<0.002	<0.001	4.22	0.000669(J)	0.00174(J)	0.000628(J)	15.9
	6/20/2019	<0.002	0.0169	0.0956	<0.002	<0.001	3.73	<0.002	0.000338(J)	0.000783(BJ)	13.1
	12/5/2019	<0.002	0.0068	0.102	<0.002	<0.001	3.14	0.00152(BJ)	<0.002	0.000709(J)	5.68
	6/10/2020	<0.004	0.0393	0.198	<0.002	<0.001	3.5(J)	<0.002	<0.002	<0.005	15.6
	12/10/2020	<0.004	0.0163	0.167	<0.002	<0.001	3(B)	<0.002	0.000245(J)	<0.005	10.7
MW-14	<i>downgradient</i>										
	11/6/2015	<0.002	0.0385	0.18	<0.002	<0.001	6.46	<0.002	<0.002	<0.005	6.1
	2/18/2016	0.000216(J)	0.0426	0.169	<0.002	<0.001	3.24	<0.002	<0.002	0.000766(J)	7.66
	5/23/2016	<0.002	0.0427	0.266	<0.002	<0.001	3.36	<0.002	<0.002	<0.005	9.68
	8/29/2016	<0.002	0.0456	0.226	<0.002	<0.001	3.4	0.000857(BJ)	<0.002	0.000787(BJ)	8.27
	12/1/2016	<0.002	0.0459	0.184	<0.002	<0.001	3.12	<0.002	<0.002	<0.005	6.56
	3/2/2017	<0.002	0.0481	0.191	<0.002	<0.001	2.95	<0.002	<0.002	0.0013(J)	7.18
	5/22/2017	<0.002	0.0302	0.148	<0.002	<0.001	3.08	<0.002	<0.002	0.000524(J)	2.64
	8/18/2017	<0.002	0.0553	0.249	<0.002	<0.001	3.11	<0.002	<0.002	<0.005	9.69
	11/16/2017	<0.002	0.0461	0.188	<0.002	<0.001	3.77	<0.002	<0.002	<0.005	7.34
	6/13/2018	<0.002	0.0209	0.148	<0.002	<0.001	3.04	<0.002	<0.002	0.000669(J)	3.21
	12/19/2018	<0.002	0.049	0.188	<0.002	<0.001	2.88	<0.002	<0.002	<0.005	5.53
	6/19/2019	<0.002	0.0445	0.323	<0.002	<0.001	3.51	<0.002	<0.002	0.00161(BJ)	11.4
	9/24/2019	n/a	n/a	0.307	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/5/2019	<0.002	0.0489	0.322	<0.002	<0.001	2.66	0.0013(BJ)	<0.002	<0.005	13
	3/10/2020	n/a	n/a	0.119	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/5/2020	<0.004	0.0438	0.315	<0.002	<0.001	2.85	<0.002	<0.002	<0.005	11.6
	12/11/2020	<0.004	0.0506	0.331	<0.002	<0.001	3.04(B)	<0.002	6.78E-05(J)	<0.005	11.4
MW-15	<i>downgradient</i>										
	4/3/2013	0.00063(J)	0.0025	0.1	0.00024(J)	0.00016(J)	2	0.0017(J)	0.00098(J)	0.0023	2
	4/3/2013	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/12/2013	<0.001	0.001	0.11	<0.001	<0.0005	2.5	<0.002	0.0004(J)	0.00083(J)	0.19

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MW-15 (cont.)	9/25/2013	<0.001	0.00088(J)	0.055	<0.001	<0.0005	3.4(B)	<0.002	<0.001	0.00081(J)	0.09(J)
	12/12/2013	<0.005	0.0018	0.073	<0.001	<0.0025	1.3	<0.01	0.00027(J)	<0.002	0.43
	3/19/2014	0.00082(J)	0.02	0.63	0.0026	0.0013	6.1	0.054	0.025	0.055	86
MW-15R	<i>downgradient</i>										
	11/6/2015	<0.002	0.0269	0.152	<0.002	<0.001	3.46	<0.002	0.000774	<0.005	9.1
	5/23/2016	<0.002	0.0308	0.173	<0.002	<0.001	1.97	0.00209	0.00112(J)	0.00229(J)	10.5
	8/29/2016	<0.002	0.0298	0.165	<0.002	<0.001	2.33	0.000895(BJ)	0.000886(J)	<0.005	9.59
	12/1/2016	<0.002	0.03	0.14	<0.002	<0.001	2.14	<0.002	0.000927(J)	<0.005	8.61
	3/2/2017	<0.002	0.0235	0.148	<0.002	<0.001	2.11	<0.002	0.000555(J)	0.00117(J)	7.94
	5/23/2017	<0.002	0.0283	0.145	<0.002	<0.001	2.17	<0.002	0.000906(J)	<0.005	9.41
	8/18/2017	<0.002	0.034	0.296	<0.002	<0.001	4.12	<0.002	0.00114(J)	<0.005	13.2
	11/16/2017	<0.002	0.0322	0.23	0.000387(J)	0.000389(J)	16.2	0.00117(J)	0.00133(J)	0.00102(J)	14.3
	6/13/2018	<0.002	0.0306	0.173	<0.002	<0.001	2.78	<0.002	0.000904(J)	0.00101(J)	11.3
	9/13/2018	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/19/2018	<0.002	0.0288	0.226	<0.002	0.000168(J)	7.47	<0.002	0.000849(J)	0.000949(J)	12.9
	6/19/2019	<0.002	0.0312	0.193	<0.002	<0.001	3.99	<0.002	0.00102(J)	<0.005	10.8
	12/3/2019	<0.002	0.0297	0.211	<0.002	<0.001	7.92	0.00135(BJ)	0.000945(J)	0.000665(J)	13.4
	6/4/2020	<0.004	0.0336	0.205	<0.002	<0.001	2.63	<0.002	0.00102(J)	<0.005	10.7
	12/10/2020	<0.004	0.0308	0.242	<0.002	<0.001	12.7(B)	<0.002	0.00106(J)	<0.005	14.8
MW-16	<i>downgradient</i>										
	11/5/2015	<0.002	0.0314	0.268	<0.002	<0.001	4.9	<0.002	0.00103	<0.005	11.3
	8/29/2016	<0.002	0.0304	0.296	<0.002	<0.001	4.34	0.000878(BJ)	0.000836(J)	0.000755(BJ)	12.4
	12/5/2016	<0.002	0.0306	0.29	<0.002	<0.001	4.28	<0.002	0.000988(J)	<0.005	12.9
	3/2/2017	<0.002	0.0284	0.283	<0.002	<0.001	4.26	0.000691(J)	0.00108(J)	0.0105	10.3
	5/23/2017	<0.002	0.0315	0.293	<0.002	<0.001	3.96	<0.002	0.000843(J)	<0.005	13.5
	8/18/2017	<0.002	0.0308	0.165	<0.002	<0.001	2.06	<0.002	0.000742(J)	<0.005	10.4
	11/16/2017	<0.002	0.0357	0.32	<0.002	<0.001	5.03	<0.002	0.00142(J)	<0.005	14.5
	3/14/2018	<0.002	0.0315	0.292	<0.002	<0.001	4	<0.002	0.000864(J)	<0.005	13.3
	6/12/2018	<0.002	0.0345	0.294	<0.002	<0.001	3.55	<0.002	0.00118(J)	<0.005	12.5
	12/20/2018	<0.002	0.0334	0.339	<0.002	<0.001	3.91	0.000657(J)	0.00116(J)	0.000628(J)	14.4

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MW-16 (cont.)	6/18/2019	<0.002	0.0321	0.342	<0.002	<0.001	5.13	0.00123(BJ)	0.00113(J)	0.00372(BJ)	14.1
	12/4/2019	<0.002	0.0338	0.389	<0.002	<0.001	6.3	0.00154(BJ)	0.00134(J)	<0.005	16.9
	3/12/2020	n/a	n/a	0.39	n/a	n/a	n/a	n/a	n/a	n/a	16.6
	6/4/2020	<0.004	0.0209	0.346	<0.002	<0.001	5.36	<0.002	0.000764(J)	<0.005	9.74
	12/10/2020	<0.004	0.0319	0.356	<0.002	<0.001	5.37(B)	<0.002	0.00111(J)	<0.005	15.9
MW-17	<i>upgradient</i>										
	4/2/2013	<0.001	0.02	0.34	<0.001	0.00024(J)	5.5	<0.002	0.00063(J)	0.00057(J)	11
	6/12/2013	<0.001	0.0018	0.38	<0.001	<0.0005	5.3	<0.002	<0.001	0.00064(J)	0.24
	9/26/2013	<0.001	0.019	0.18	<0.001	<0.0005	6.9(B)	<0.002	0.00028(J)	<0.002	5.2
	12/12/2013	<0.005	0.031	0.33	<0.001	<0.0025	5.3	<0.01	<0.001	<0.002	18
	3/19/2014	<0.001	0.017	0.33	0.00023(J)	<0.0005	10	<0.002	<0.001	<0.002	14
	6/25/2014	<0.001	0.023	0.27	<0.001	<0.0005	5.2	<0.002	<0.001	<0.002	16
	9/18/2014	<0.001	0.017	0.2	0.00073(J)	<0.0005	4.9	0.0023(B)	0.00036(J)	0.00082(J)	8.7
	12/16/2014	<0.002	0.026	0.34	<0.002	<0.001	4.8	<0.002	<0.002	<0.005	15
	3/25/2015	<0.002	0.016	0.29	<0.002	<0.001	4.8	<0.002	<0.002	<0.005	11
	9/23/2015	<0.002	0.00265	0.151	<0.002	<0.001	3.85	<0.002	0.000338	0.00322	0.259
	2/18/2016	<0.002	0.0231	0.333	<0.002	<0.001	5.5	<0.002	0.000516(J)	0.000594(J)	16.6
	8/26/2016	0.000857(BJ)	0.0131	0.211	<0.002	<0.001	4.8	0.000913(BJ)	<0.002	<0.005	9.2
	5/18/2017	<0.002	0.0065	0.235	<0.002	<0.001	4.43	0.00055(J)	<0.002	<0.005	11.1
	11/14/2017	<0.002	0.0264	0.288	<0.002	<0.001	4.65	<0.002	<0.002	<0.005	16.9
	6/11/2018	<0.002	0.0221	0.326	<0.002	<0.001	3.88	<0.002	0.000394(J)	0.000579(J)	14.5
	12/17/2018	<0.002	0.025	0.289	<0.002	<0.001	3.7	<0.002	<0.002	0.000926(J)	15.5
	6/17/2019	<0.002	0.0218	0.344	<0.002	<0.001	3.57	<0.002	0.000517(J)	0.00147(BJ)	12.9
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<0.002	0.0217	0.277	<0.002	<0.001	3.63	0.00123(BJ)	<0.002	<0.005	15.2
	6/3/2020	<0.004	0.0183	0.372	<0.002	<0.001	4.35	<0.002	0.000517(J)	<0.005	14.1
	12/9/2020	<0.004	0.0307	0.262	<0.002	<0.001	3.49(B)	<0.002	0.00011(J)	<0.005	14.7

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MW-18	<i>upgradient</i>										
	4/3/2013	0.0005(J)	0.026	0.51	0.0002(J)	<0.0005	4.5	<0.002	<0.001	0.00064(J)	18
	6/12/2013	<0.001	0.026	0.55	<0.001	<0.0005	4.5	<0.002	<0.001	<0.002	18
	9/25/2013	<0.001	0.011	0.32	<0.001	<0.0005	7.3(B)	<0.002	0.00029(J)	0.00057(J)	9.2
	12/12/2013	<0.005	0.03	0.36	<0.001	<0.0025	6.9	<0.01	<0.001	<0.002	16
	3/19/2014	<0.001	0.0055	0.27	0.00015(J)	<0.0005	6.4	<0.002	<0.001	<0.002	4
	6/25/2014	<0.001	0.0045	0.25	<0.001	<0.0005	7.7	<0.002	<0.001	<0.002	2.3
	9/18/2014	<0.001	0.015	0.32	<0.001	<0.0005	5.1	<0.002(B)	<0.001	<0.002	11
	12/17/2014	<0.002	0.023	0.38	<0.002	<0.001	11	<0.002	<0.002	0.01	15
	9/24/2015	<0.002	0.0172	0.366	<0.002	<0.001	7.42	<0.002	0.000291	0.000784	13.2
	8/29/2016	<0.002	0.0187	0.333	<0.002	<0.001	4.47	0.000855(BJ)	<0.002	0.000903(BJ)	10.9
	5/22/2017	<0.002	0.0219	0.372	<0.002	<0.001	4.59	<0.002	<0.002	<0.005	15.5
	11/16/2017	<0.002	0.0137	0.337	<0.002	<0.001	7.47	<0.002	<0.002	<0.005	13.6
	6/12/2018	<0.002	0.00864	0.27	<0.002	<0.001	5.79	<0.002	0.000275(J)	0.000621(J)	4.43
	12/20/2018	<0.002	0.00219	0.151	<0.002	0.000171(J)	4.78	<0.002	0.000269(J)	0.00136(J)	0.526
	3/13/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/18/2019	<0.002	0.0247	0.396	<0.002	<0.001	3.99	<0.002	0.000375(J)	<0.005	13.2
	12/3/2019	<0.002	0.00531	0.244	<0.002	<0.001	5.84	0.00123(BJ)	0.000337(J)	0.00086(J)	2.91
	3/10/2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/4/2020	<0.004	0.00922	0.356	<0.002	<0.001	5.54	<0.002	<0.002	<0.005	8.67
	12/10/2020	<0.004	0.0189	0.453	<0.002	<0.001	6.5(B)	<0.002	0.000388(J)	<0.005	16.8
MW-19	<i>upgradient</i>										
	4/2/2013	<0.001	0.014	0.32	<0.001	<0.0005	7.6	<0.002	0.00038(J)	0.00054(J)	12
	6/12/2013	<0.001	0.00093(J)	0.24	<0.001	<0.0005	7.5	<0.002	<0.001	<0.002	1.1
	9/25/2013	<0.001	0.0037	0.3	<0.001	<0.0005	6.8(B)	<0.002	<0.001	0.00066(J)	11
	12/11/2013	<0.005	0.0054	0.31	<0.001	<0.0025	6.4	<0.01	<0.001	0.00052(J)	13
	3/19/2014	0.00021(J)	0.0015	0.2	0.00024(J)	<0.0005	6.1	<0.002	<0.001	<0.002	2.8
	6/25/2014	<0.001	0.0036	0.25	<0.001	<0.0005	6.1	<0.002	<0.001	<0.002	11
	9/18/2014	<0.001	0.0035	0.23	<0.001	<0.0005	5.6	0.003(B)	<0.001	<0.002	11
	12/16/2014	<0.002	0.0038	0.31	<0.002	<0.001	5.2	<0.002	<0.002	<0.005	10

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Historical Database, Mississippi County Class 1 Landfill

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MW-19 (cont.)	3/25/2015	<0.002	0.00074(J)	0.2	<0.002	<0.001	5.5	<0.002	<0.002	<0.005	1.2
	9/24/2015	<0.002	0.00495	0.244	<0.002	<0.001	4.46	<0.002	<0.002	0.0018	9.73
	2/17/2016	0.000276(J)	0.00606	0.252	<0.002	<0.001	4.02	<0.002	<0.002	0.000819(J)	8.93
	8/25/2016	<0.002	0.00646	0.228	<0.002	<0.001	4.03	0.000879(BJ)	<0.002	<0.005	9.49
	5/18/2017	<0.002	0.00473	0.237	<0.002	<0.001	3.43	0.000767(J)	<0.002	0.000595(J)	10.3
	11/14/2017	<0.002	0.00443	0.259	<0.002	<0.001	3.22	<0.002	<0.002	<0.005	11.1
	6/11/2018	<0.002	0.00479	0.213	<0.002	<0.001	2.12(B)	<0.002	<0.002	0.000556(J)	9.14
	12/17/2018	<0.002	0.00285	0.221	<0.002	<0.001	1.62	0.000724(J)	<0.002	0.000601(J)	6.96
	6/17/2019	<0.002	0.00415	0.22	<0.002	<0.001	1.48	<0.002	<0.002	0.00137(BJ)	6.78
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<0.002	0.00252	0.182	<0.002	<0.001	0.936(J)	0.00129(BJ)	<0.002	0.00175(J)	5.93
	6/3/2020	<0.004	0.00148(J)	0.17	<0.002	<0.001	0.974(J)	<0.002	<0.002	<0.005	1.31
	12/9/2020	0.00131(J)	0.00251	0.207	<0.002	<0.001	1.12(B)	<0.002	0.000312(J)	<0.005	4.82
MW-20	<i>upgradient</i>										
	4/3/2013	<0.001	0.0026	0.11	<0.001	<0.0005	3.8	<0.002	0.00049(J)	0.003	0.88
	6/12/2013	<0.001	0.0036	0.2	<0.001	<0.0005	4.5	<0.002	0.00083(J)	0.0015(J)	0.92
	9/26/2013	<0.001	0.014	0.15	<0.001	<0.0005	3.3(B)	<0.002	0.0011	0.0012(J)	0.59
	12/12/2013	<0.005	0.007	0.12	<0.001	<0.0025	3.1	<0.01	0.00038(J)	0.0017(J)	2
	3/19/2014	0.00023(J)	0.012	0.092	0.00021(J)	<0.0005	3.4	<0.002	0.00066(J)	<0.002	4.5
	6/25/2014	0.00031(J)	0.011	0.11	<0.001	<0.0005	3.8	<0.002	0.00033(J)	0.0009(J)	4.9
	9/18/2014	<0.001	0.011	0.076	<0.001	<0.0005	2.4	0.00054(JB)	0.00097(J)	0.0012(J)	2.2
	12/16/2014	<0.002	0.0036	0.1	<0.002	<0.001	5.5(J)	0.0011(J)	0.00052(J)	0.0026(J)	0.77
	9/24/2015	<0.002	0.00756	0.0963	<0.002	<0.001	4.46	0.000571	0.00067	0.00145	1.33
	2/18/2016	0.000259(J)	0.00518	0.0952	<0.002	<0.001	3.69	0.000846(J)	0.000356(J)	0.00166(J)	1.64
	8/29/2016	<0.002	0.0058	0.0907	<0.002	<0.001	3.47	0.00123(BJ)	0.000312(J)	0.0024(BJ)	0.52
	5/22/2017	<0.002	0.00417	0.106	0.000128(J)	<0.001	3.42	0.00146(BJ)	0.00048(J)	0.00229(J)	1.7
	11/16/2017	<0.002	0.00183(J)	0.0652	<0.002	<0.001	6.4	0.000694(J)	<0.002	0.00228(J)	0.44
	6/12/2018	<0.002	0.00394	0.106	<0.002	<0.001	3.03	0.00114(J)	0.000361(J)	0.00272(J)	1.75

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MW-21	upgradient										
	11/5/2015	<0.002	0.0215	0.434	<0.002	<0.001	10.1	<0.002	<0.002	<0.005	9.86
	2/11/2016	<0.002	0.0289	0.49	<0.002	<0.001	6.06	0.000684(J)	<0.002	0.00155(J)	10.4
	5/18/2016	<0.002	0.0272	12.7(R)	<0.002	<0.001	6.6	<0.002	<0.002	<0.005	10.2
	8/25/2016	0.000791(BJ)	0.0296	0.41	<0.002	<0.001	5.57	0.000858(BJ)	<0.002	<0.005	9.84
	11/30/2016	<0.002	0.0303	0.483	<0.002	<0.001	5.43	<0.002	<0.002	0.00056(J)	11.6
	3/1/2017	<0.002	0.00803	0.14	<0.002	<0.001	5.46	0.00124(J)	<0.002	0.00446(J)	2.45
	5/18/2017	<0.002	0.0277	0.417	<0.002	<0.001	5.85	<0.002	<0.002	<0.005	11.5
	8/17/2017	<0.002	0.0272	0.452	<0.002	<0.001	5.11	<0.002	<0.002	<0.005	11
	11/14/2017	<0.002	0.027	0.446	<0.002	<0.001	6.29	<0.002	<0.002	<0.005	10.8
	6/11/2018	<0.002	0.0264	0.409	<0.002	<0.001	4.85	<0.002	<0.002	0.000935(J)	10.5
	12/17/2018	<0.002	0.003	0.172	<0.002	<0.001	2.86	<0.002	<0.002	0.000632(J)	5.48
	6/18/2019	<0.002	0.0307	0.436	<0.002	<0.001	3.76	<0.002	<0.002	0.000871(BJ)	11
	12/4/2019	<0.002	0.0132	0.254	<0.002	<0.001	2.94	0.00159(BJ)	<0.002	0.00082(J)	7.79
	6/3/2020	<0.004	0.0209	0.387	<0.002	<0.001	3.45	<0.002	<0.002	<0.005	10
	12/9/2020	<0.004	0.0301	0.472	<0.002	<0.001	3.47(B)	<0.002	<0.002	<0.005	11.1
MW-22	upgradient										
	11/4/2015	<0.002	0.0114	0.274	<0.002	<0.001	3.11	<0.002	<0.002	<0.005	6.61
	2/11/2016	<0.002	0.0269	0.453	<0.002	<0.001	2.78	0.00137(J)	0.000381(J)	0.00261(J)	8.87
	5/18/2016	<0.002	0.0299	0.392	<0.002	<0.001	3.57	<0.002	<0.002	0.00063(J)	11.1
	8/25/2016	<0.002	0.0338	0.394	<0.002	<0.001	3.77	0.000906(BJ)	<0.002	<0.005	11.4
	11/30/2016	<0.002	0.0151	0.261	<0.002	<0.001	2.23	<0.002	<0.002	<0.005	7.64
	3/1/2017	<0.002	0.00698	0.134	<0.002	<0.001	1.54	0.00104(J)	0.00177(J)	0.00089(J)	2.25
	5/17/2017	<0.002	0.0328	0.377	<0.002	<0.001	3.47	<0.002	<0.002	<0.005	11.1
	8/16/2017	<0.002	0.0133	0.237	<0.002	<0.001	1.38	0.000768(J)	<0.002	<0.005	7.52
	11/13/2017	<0.002	0.0125	0.245	<0.002	<0.001	2.01	0.000788(J)	<0.002	0.00109(J)	7.68
	6/11/2018	<0.002	0.0124	0.231	<0.002	<0.001	1.43(B)	0.000794(J)	0.00054(J)	0.00154(J)	5.28
	12/11/2018	<0.002	0.0345	0.364	<0.002	<0.001	1.98(B)	0.00132(J)	<0.002	0.00145(J)	12.2
	6/17/2019	<0.002	0.0329	0.378	<0.002	<0.001	3.14	<0.002	<0.002	0.000821(BJ)	9.8

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MW-22 (cont.)	12/4/2019	<0.002	0.0311	0.366	<0.002	<0.001	2.16	0.00121(BJ)	<0.002	0.000573(J)	10.1
	6/3/2020	<0.004	0.0374	0.426	<0.002	<0.001	2.45	<0.002	<0.002	<0.005	12.3
	12/9/2020	<0.004	0.031	0.394	<0.002	<0.001	2.08(B)	<0.002	6.44E-05(J)	0.00155(J)	10.9
MW-23	<i>upgradient</i>										
	11/4/2015	<0.002	0.00592	0.213	<0.002	<0.001	4.05	<0.002	0.000424	<0.005	9.03
	2/11/2016	<0.002	0.0161	0.451	<0.002	<0.001	4.97	0.000767(J)	0.00113(J)	0.00209(J)	13.4
	5/18/2016	<0.002	0.0181	0.593	<0.002	<0.001	4.69	<0.002	0.00138(J)	0.00108(J)	15.3
	8/25/2016	<0.002	0.00864	0.22	<0.002	<0.001	4.3	0.0009(BJ)	0.000478(J)	<0.005	10.5
	11/30/2016	<0.002	0.00815	0.221	<0.002	<0.001	4.31	<0.002	0.000509(J)	<0.005	10.5
	3/1/2017	<0.002	0.0106	0.246	<0.002	<0.001	4.93	<0.002	0.000611(J)	<0.005	11.6
	5/17/2017	<0.002	0.0134	0.265	<0.002	<0.001	4.58	<0.002	0.000966(J)	<0.005	13.5
	8/16/2017	<0.002	0.00901	0.218	<0.002	<0.001	4.27	<0.002	0.000528(J)	<0.005	10.7
	11/13/2017	<0.002	0.0101	0.221	<0.002	<0.001	4.75	<0.002	0.000434(J)	0.000551(J)	11
	6/11/2018	<0.002	0.0118	0.261	<0.002	<0.001	4.17	<0.002	0.000877(J)	0.00257(J)	12.1
	12/11/2018	<0.002	0.0141	0.25	<0.002	<0.001	3.87(B)	0.000812(J)	0.000983(J)	0.00191(J)	13.4
	6/17/2019	<0.002	0.0201	0.454	<0.002	<0.001	4.12	<0.002	0.00158(J)	0.0026(BJ)	18
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12.5
	12/4/2019	0.00186(J)	0.0132	0.244	0.000227(J)	0.000376(J)	4.24	0.00163(BJ)	0.000976(J)	0.00068(J)	12.9
	6/3/2020	<0.004	0.0195	0.449	<0.002	<0.001	4.41	<0.002	0.00141(J)	<0.005	15.7
	12/9/2020	<0.004	0.0092	0.274	<0.002	<0.001	4.47(B)	<0.002	0.000956(J)	0.00189(J)	11.5
MW-24	<i>upgradient</i>										
	11/5/2015	<0.002	0.0481	0.267	<0.002	<0.001	6.86	<0.002	0.000664	<0.005	10.5
	2/10/2016	0.000333(J)	0.055	0.309	<0.002	<0.001	4.88	0.000744(J)	0.000858(J)	0.00156(J)	11.3
	5/19/2016	<0.002	0.0572	0.3	<0.002	<0.001	4.82	<0.002	0.000888(J)	<0.005	11.1
	8/28/2016	<0.002	0.0545	0.304	<0.002	<0.001	4.82	0.000848(BJ)	0.00107(J)	<0.005	12.8
	11/30/2016	<0.002	0.0519	0.298	<0.002	<0.001	5.19	0.000704(J)	0.00102(J)	<0.005	12.1
	3/2/2017	<0.002	0.0476	0.289	<0.002	<0.001	5.27	<0.002	0.000909(J)	0.000597(J)	10.4
	5/18/2017	<0.002	0.0532	0.285	<0.002	<0.001	5.13	<0.002	0.00105(J)	<0.005	12.5
	8/17/2017	<0.002	0.0562	0.313	<0.002	<0.001	4.73	<0.002	0.00107(J)	<0.005	13.3
	11/14/2017	<0.002	0.05	0.311	<0.002	<0.001	6.01	<0.002	0.000995(J)	<0.005	12.1

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MW-24 (cont.)	6/12/2018	<0.002	0.0622	0.292	<0.002	<0.001	4.74	<0.002	0.000988(J)	<0.005	13.1
	12/17/2018	<0.002	0.0521	0.332	<0.002	<0.001	4.54	<0.002	0.00106(J)	<0.005	13.4
	6/19/2019	<0.002	0.0304	0.29	<0.002	<0.001	4.33	<0.002	0.00128(J)	<0.005	8.37
	9/24/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<0.002	0.053	0.334	<0.002	<0.001	4	0.00127(BJ)	0.00107(J)	0.00121(J)	14.2
	6/10/2020	<0.004	0.0498	0.36	<0.002	<0.001	4.64	<0.002	0.00118(J)	<0.005	14.1
	9/14/2020	n/a	n/a	0.345	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/10/2020	<0.004	0.0529	0.365	<0.002	<0.001	4.46(B)	<0.002	0.0012(J)	0.00223(J)	15.6
	3/9/2021	n/a	n/a	0.369	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LEACHATE#1 downgradient											
	4/14/2010	0.005	0.28	3.6	<0.00012	<0.00016	1300	0.059	0.034	0.0047	17
	10/12/2010	0.0029	0.21	2.7	<0.001	<0.0005	1100	0.048	0.031	0.0037	17
	4/13/2011	0.0021	0.17	2.6	<0.001	<0.0005	2200	0.036	0.027	0.0036	9.3
	12/6/2011	0.0021	0.24	3.2	<0.001	<0.0005	1200	0.045	0.034	0.0042	15
	5/8/2012	0.0016	0.33	4.2	<0.005	<0.0005	1300	0.065	0.037	0.0022	14
	10/8/2012	0.0031(J)	0.18	1.3(B)	<0.005	<0.0025	1400	0.042	0.043	0.0039(J)	3
	3/20/2013	0.0008(J)	0.18	1.9	<0.001	<0.0005	1300	0.044	0.035	0.0018(J)	11
	9/26/2013	0.00069(J)	0.14	1.7	<0.001	<0.0005	1300(B)	0.024	0.019	0.0028	14
	3/19/2014	0.0011	0.16	1.5	0.00023(J)	<0.0005	1300	0.033	0.025	0.014	13
	9/17/2014	<0.01	0.28	2.9	<0.01	<0.005	1500	0.079(B)	0.047	<0.02	11
	3/25/2015	0.0011(J)	0.046	0.31	<0.002	<0.001	160	0.0067	0.005	0.016	0.18
	9/24/2015	0.000892	0.0396	0.402	<0.002	<0.001	1650	0.0117	0.00732	0.00906	1.34
	2/19/2016	0.00438(J)	0.372	6.62	<0.018	<0.009	1350	0.0774	0.0454	0.00678(J)	36
	8/29/2016	<0.018	0.308	3.31	<0.018	<0.009	1460	0.0808	0.0506	0.00701(BJ)	17.3
	3/6/2017	0.00213	1.02	26.3	0.000294(J)	0.000269(J)	1410	0.0998	0.0382	0.00387(J)	172
	9/1/2017	0.00264	0.0785	1.54	<0.002	<0.001	1450	0.0185	0.026	0.0146	10.4
	6/13/2018	0.00103(J)	0.0763	1.61	<0.002	<0.001	1190	0.0155	0.0234	0.012	8.12
	12/20/2018	0.0015(J)	0.194	2.42	<0.002	<0.001	1350	0.0458	0.0348	0.00252(J)	15.8
	6/20/2019	0.00154(J)	0.104	1.68	<0.002	<0.001	1480	0.0352	0.0322	0.000697(J)	6.86

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LEACHATE#1 (cont.)	12/5/2019	0.00102(J)	0.0582	1.24	<0.002	<0.001	1140	0.0204	0.0216	0.0012(BJ)	6.55
	6/10/2020	0.0025(J)	0.704	10.5	<0.002	<0.001	1640	0.0755	0.0443	0.0405	72.1
	12/11/2020	0.00132(J)	0.127	1.93	<0.002	<0.001	1450	0.0387	0.0358	0.00227(J)	7.02
LEACHATE#2	<i>downgradient</i>										
	6/13/2018	<0.002	0.01	0.359	<0.002	<0.001	87.8	0.00255	0.0023	0.00197(J)	18.3
	12/20/2018	0.000926(J)	0.0146	0.521	<0.002	<0.001	256	0.00494	0.00403	0.0027(J)	18.3
	6/20/2019	0.00133(J)	0.0525	1.36	<0.002	<0.001	551	0.00649	0.00993	0.000852(J)	26.4
	12/5/2019	0.00113(J)	0.0407	1.29	<0.002	<0.001	591	0.00848(B)	0.0134	0.00142(BJ)	13.4
	6/10/2020	<0.004	0.386	19.5	<0.002	<0.001	674	0.028	0.03	0.0153	455
	12/11/2020	<0.004	0.0926	1.81	<0.002	<0.001	622(B)	0.00907	0.0195	<0.005	13.6

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Historical Database, Mississippi County Class 1 Landfill

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MW-1	downgradient										
	10/27/1993	<0.025	0.016(R)	<0.01	<0.05	<0.003	n/a	<0.05	n/a	n/a	<0.002
	3/15/1994	0.062	2.17	0.013	<0.025	<0.004	45.5	<0.01	329	3.6	0.002
	6/14/1994	0.028	2.27	<0.01	<0.025	<0.004	39.9	<0.01	406	8.6	<0.002
	9/15/1994	0.064	2.34	<0.01	<0.025	<0.004	48.9	<0.01	348	3.1	<0.002
	12/22/1994	<0.01	2	<0.01	<0.025	<0.004	36.6	<0.01	295	3.7	<0.002
	6/2/1995	<0.01	2.3	<0.01	<0.025	<0.004	35.3	<0.01	338	3.3	<0.002
	12/14/1995	0.044	2.1	<0.01	<0.025	<0.004	33.6	<0.01	302	1.95	<0.002
	6/13/1996	<0.04	2.2	<0.01	<0.07	<0.007	27	<0.04	330	1.5	<0.008
	11/26/1996	<0.04	1.9	<0.01	<0.07	<0.007	32	<0.04	320	1.9	<0.008
	4/23/1997	<0.04	3	<0.01	<0.07	<0.007	21	<0.04	320	1.4	<0.008
	10/8/1997	<0.001	2.2	<0.01	<0.002	<0.007	34	<0.001	360	2.8	0.013
	4/13/1998	<0.001	2.2	<0.01	<0.002	<0.007	30	<0.001	360	4.2	<0.008
	11/5/1998	<0.001	2.2	<0.01	<0.005	<0.007	34	<0.001	360	2.6	<0.008
	4/1/1999	<0.001	2.4	<0.01	<0.005	<0.007	32	<0.001	410	2	0.01
	10/22/1999	<0.001	2.4	<0.01	<0.005	<0.007	33	<0.001	380	2.2	<0.008
	5/10/2000	<0.001	2.8	<0.01	<0.005	<0.007	32	<0.001	380	2.3	<0.008
	10/12/2000	<0.001	2.7	<0.01	<0.005	<0.007	32	<0.001	400	1.7	<0.008
	4/26/2001	<0.001	2.5	<0.01	<0.005	<0.007	35	0.0034	430	1.8	<0.008
	10/26/2001	<0.001	3	<0.01	<0.005	<0.007	36	0.0028	400	1.9	<0.008
	4/10/2002	<0.001	2.8	<0.01	<0.005	<0.007	37	<0.001	410	1.8	<0.008
	11/6/2002	<0.001	2.7	<0.01	<0.05	<0.007	40	<0.001	410	2	<0.008
	4/18/2003	<0.001	2.9	<0.01	<0.005	<0.007	41	<0.001	450	1.9	<0.008
	11/5/2003	<0.001	2.5	<0.01	<0.005	<0.007	43	<0.001	420	2.1	<0.008
	4/29/2004	<0.001	2.4	0.012	<0.005	<0.007	44	<0.001	440	2.3	<0.008
	10/20/2004	<0.001	2.8	<0.01	<0.005	<0.007	38	<0.001	440	2.3	<0.008
	4/27/2005	<0.001	2.3	<0.01	<0.005	<0.007	41	<0.001	460	2.8	<0.008
	10/4/2005	<0.001	3	<0.01	<0.005	<0.007	41	<0.001	470	1.9	<0.008
	4/26/2006	<0.001	2.9	<0.01	<0.005	<0.007	47	<0.001	440	2.1	<0.008
	10/3/2006	<0.001	2.5	<0.01	<0.005	<0.007	47	<0.001	400	1.9	<0.008

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MW-1 (cont.)	4/11/2007	<0.001	2.7	<0.01	<0.005	<0.007	41	<0.001	440	2.6	<0.008
	10/4/2007	0.0066	3.1	<0.01	<0.005	<0.007	34	<0.001	470	2.7	<0.008
	4/21/2008	<0.005	2.7	<0.02	<0.001	<0.01	36	<0.001	400	3.1	<0.01
	10/9/2008	<0.005	2.3	<0.02	<0.001	<0.01	31	<0.001	350	4.3	<0.01
	6/11/2009	<0.005	2.6	<0.02	<0.001	<0.01	37	<0.001	400	4.6	<0.01
	11/12/2009	<0.005	2.7	<0.02	<0.001	<0.01	37	<0.001	380	3.8	<0.01
	4/13/2010	<0.00024	2.6	0.0026	<0.00038	<0.00031	42	<0.00019	390(B)	6	<0.00018
	10/11/2010	0.00053(J)	2.1	0.0026	0.00067(J)	<0.001	29	0.00019(J)	350(B)	2.6	0.00026(J)
	4/12/2011	<0.001	2.6	0.00084(J)	<0.001	<0.001	35	<0.001	390	1.4	<0.002
	12/6/2011	0.00057	2.6	0.0043	0.0012	<0.001	35	<0.001	380	2.4	0.00049
	5/7/2012	0.00031(J)	2.8	0.0024	0.00056(J)	<0.001	2(J)	<0.001	440	11	<0.002
	10/8/2012	<0.001	2.6	0.0055	<0.001	<0.001	31	<0.001	380	1.8	0.00041(J)
	3/19/2013	<0.001	2.4	0.0022	0.00044(J)	<0.001	36	<0.001	380	1.8	<0.002
	9/24/2013	<0.001	2.6	<0.005	0.00081(J)	<0.001	36(B)	<0.001	390	1.8	0.00064(J)
	3/18/2014	<0.001	2.6	0.0034	0.0018	<0.001	41	<0.001	380	1.9	0.00023(J)
	9/16/2014	0.0047	2.7(B)	0.0038	0.004	<0.001	36	0.00026(J)	390	2.1	0.0055
	3/24/2015	<0.002	1.6	0.0054	<0.002	<0.002	48	<0.002	360	3.6	<0.005
	9/24/2015	0.000768	2.82	0.001	<0.002	<0.002	30.3	<0.002	476	2.99	0.000226
	2/9/2016	<0.002	2.72	0.000674(BJ)	<0.002	<0.002	44.8	<0.002	392	1.89	0.000194(J)
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/25/2016	0.000941(BJ)	2.61	0.0024(B)	<0.002	<0.002	29.6	<0.002	451	2.19	0.000189(J)
	12/1/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	437(B)	n/a	n/a
	3/6/2017	<0.002	2.55	0.000753(J)	<0.002	<0.002	50.3	<0.002	400	2.26	<0.005
	5/24/2017	<0.002	2.49	0.000983(J)	<0.002	<0.002	46.5	<0.002	442	3.15	0.000229(BJ)
	9/1/2017	0.00114(J)	3.11	0.00213	<0.002	<0.002	50.8	<0.002	519	3.9	0.000284(J)
	11/17/2017	<0.002	2.89	0.00238	<0.002	<0.002	38.5	<0.002	493	3.86	<0.005
	3/14/2018	<0.002	2.91	0.00254	<0.002	<0.002	47.1	<0.002	512	3.86	<0.005
	6/14/2018	0.000893(BJ)	2.97	0.00436	<0.002	<0.002	42.8	<0.002	544	4.74	0.000195(BJ)
	9/13/2018	<0.002	3.11	0.00306	<0.002	<0.002	36.9	<0.002	533	4.37(B)	0.000201(J)
	12/13/2018	0.000291(J)	3.01	0.00304	<0.002	<0.002	34.5	<0.002	492	3.75	<0.005

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MW-1 (cont.)	3/18/2019	<0.002	3.15	0.0039	<0.002	<0.002	41	<0.002	557	4.54	<0.005
	6/14/2019	<0.002	3.31	0.00524	<0.002	<0.002	44.3	<0.002	607	6.83	<0.005
	9/24/2019	0.000347(J)	3.69	0.00514	<0.002	<0.002	39.7	<0.002	560	4.98	<0.005
	12/3/2019	<0.002	2.92	0.0029	<0.002	<0.002	37.2	<0.002	498	3.88	0.000275(BJ)
	3/13/2020	0.0003(J)	3.17	0.00488	<0.002	<0.002	42.4	<0.002	565	4.78	0.000194(J)
	6/3/2020	<0.005	3.2	0.0048	<0.002	<0.002	41	<0.002	503	4.4	<0.005
	9/15/2020	<0.005	3.57	0.00563	<0.002	<0.002	33.2	<0.002	609(B)	4.69	<0.005
	12/8/2020	<0.002	3.39	0.00399	<0.002	<0.002	36.3	<0.002	533	3.54	<0.005
	3/11/2021	<0.002	3.05	0.00408	<0.002	<0.002	37.5	<0.002	548	4.22	<0.005
MW-2	<i>upgradient</i>										
	10/27/1993	<0.025	1.21	<0.01	<0.05	<0.003	n/a	<0.05	n/a	n/a	<0.002
	3/15/1994	0.052	1.16	<0.01	<0.025	<0.004	51.7	<0.01	431	5.3	0.007
	6/14/1994	0.039	1.5	<0.01	<0.025	<0.004	57	<0.01	461	8.8	0.004
	9/15/1994	0.056	1.78	<0.01	<0.025	<0.004	68.5	0.016	486	3.7	<0.002
	12/22/1994	<0.01	1.21	<0.01	<0.025	<0.004	56.5	0.018	422	2.5	0.005
	6/2/1995	<0.01	1.49	<0.01	<0.025	<0.004	58.9	<0.01	468	4.3	<0.002
	12/14/1995	0.06	1.38	<0.01	0.071	<0.004	47.6	<0.01	437	2.72	0.013
	6/13/1996	<0.04	1.6	<0.01	<0.07	<0.007	47	<0.04	480	1.7	<0.008
	11/26/1996	<0.04	1.2	<0.01	<0.07	<0.007	45	<0.04	480	1.9	<0.008
	4/23/1997	<0.04	1.6	<0.01	<0.07	<0.007	39	<0.04	440	2.1	<0.008
	10/8/1997	<0.001	1.5	<0.01	<0.002	<0.007	54	<0.001	450	3.8	0.021
	4/13/1998	<0.001	1.2	<0.01	<0.002	<0.007	45	<0.001	480	5.3	<0.008
	11/5/1998	<0.001	1.5	<0.01	<0.005	<0.007	49	<0.001	510	4	<0.008
	4/1/1999	<0.001	1.2	<0.01	<0.005	<0.007	48	<0.001	540	2.7	0.02
	10/22/1999	<0.001	1.5	<0.01	<0.005	<0.007	62	<0.001	490	3.2	<0.008
	5/10/2000	<0.001	1.5	<0.01	<0.005	<0.007	51	<0.001	480	3.2	<0.008
	10/12/2000	<0.001	1.4	<0.01	<0.005	<0.007	64	<0.001	500	2.6	<0.008
	4/26/2001	<0.001	1.1	<0.01	<0.005	<0.007	48	<0.001	510	2.5	<0.008
	10/26/2001	<0.001	1.1	<0.01	<0.005	<0.007	67	<0.001	520	2.7	<0.008
	4/10/2002	<0.001	1.1	<0.01	<0.005	<0.007	60	<0.001	530	2.5	<0.008

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MW-2 (cont.)	11/6/2002	<0.001	1.2	<0.01	<0.005	<0.007	65	<0.001	500	2.6	<0.008
	4/18/2003	<0.001	1.4	<0.01	<0.005	<0.007	66	<0.001	520	2.6	<0.008
	11/5/2003	<0.001	1.2	0.018	<0.005	<0.007	66	<0.001	570	3.1	<0.008
	4/29/2004	<0.001	0.95	0.012	<0.005	<0.007	60	<0.001	500	3.2	<0.008
	10/20/2004	<0.001	1.2	<0.01	<0.005	<0.007	62	<0.001	520	2.5	<0.008
	4/27/2005	<0.001	0.93	<0.01	<0.005	<0.007	47	<0.001	480	2.7	<0.008
	10/4/2005	<0.001	1.6	<0.01	<0.005	<0.007	57	<0.001	550	2.5	<0.008
	4/26/2006	<0.001	1.3	<0.01	<0.005	<0.007	48	<0.001	520	2.6	<0.008
	10/3/2006	<0.001	1.7	<0.01	<0.005	<0.007	61	<0.001	540	2.7	<0.008
	4/11/2007	<0.001	1.4	<0.01	<0.005	<0.007	62	<0.001	580	3.3	<0.008
	10/4/2007	<0.001	1.9	<0.01	<0.005	<0.007	66	<0.001	560	3	<0.008
	4/21/2008	<0.005	1.2	<0.02	<0.001	<0.01	77	<0.001	520	3.1	<0.01
	10/9/2008	<0.005	1.3	<0.02	<0.001	<0.01	58	<0.001	450	4.3	<0.01
	6/11/2009	<0.005	1.2	<0.02	<0.001	<0.01	92	<0.001	520	4.6	<0.01
	11/12/2009	<0.005	1.1	<0.02	<0.001	<0.01	89	<0.001	470	4.6	<0.01
	4/13/2010	<0.00024	1.2	0.003	0.00047(J)	<0.00031	71	<0.00019	470(B)	2.9	0.0021
	10/11/2010	0.00086(J)	1.6	0.003	0.00099(J)	<0.001	59	0.00019(J)	550(B)	3.9	0.0019(J)
	4/12/2011	<0.001	1.7	0.00099(J)	<0.001	<0.001	76	<0.001	530	2.3	<0.002
	12/6/2011	<0.001	1.8	0.0039	0.00095	<0.001	48	<0.001	540	6.8	0.00036
	5/7/2012	0.00052(J)	1.6	0.0033	0.001	<0.001	63	<0.001	550	14	0.001(J)
	10/8/2012	<0.001	1.7	0.0057	<0.001	<0.001	48	<0.001	520	5.5	0.00047(J)
	3/19/2013	<0.001	2.1	0.0039	0.00064(J)	<0.001	90	<0.001	560	4.7	<0.002
	9/24/2013	<0.001	3	0.018(O)	0.0011	<0.001	230(B)	<0.001	750	3.5	0.00076(J)
	3/18/2014	<0.001	1.8	0.0032	0.0014	<0.001	100	<0.001	560	2.4	<0.002
	9/16/2014	0.0015	2.5(B)	0.0041	0.0025	<0.001	120	0.00031(J)	570	2.5	0.0048
	3/24/2015	<0.002	0.058	<0.002	<0.002	<0.002	210	<0.002	660	4.4	0.00024(J)
	9/23/2015	0.000682	2	0.0006	<0.002	<0.002	96	<0.002	554	3.29	0.000623
	2/9/2016	<0.002	1.38	0.000833(BJ)	<0.002	<0.002	71.4	<0.002	446	2.33	0.00047(J)
	8/24/2016	<0.002	1.61	0.00136(BJ)	0.00244	<0.002	86.8	<0.002	536(B)	2.4	0.00018(J)
	12/1/2016	n/a	n/a	n/a	n/a	n/a	106	n/a	n/a	n/a	n/a

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MW-2 (cont.)	3/3/2017	<0.002	0.0267	0.000622(J)	0.00164(J)	<0.002	20.6	<0.002	282	5.55	0.000609(J)
	5/23/2017	<0.002	1.58	0.000696(J)	<0.002	<0.002	83.7	<0.002	521	3.17	0.000834(BJ)
	8/31/2017	0.000676(J)	1.37	0.000597(J)	<0.002	<0.002	130	<0.002	571	3.24	0.000497(J)
	11/17/2017	<0.002	2.1	0.00102(J)	<0.002	<0.002	91.8	<0.002	547	2.68	0.000349(J)
	3/12/2018	<0.002	0.539	0.000593(J)	0.000515(J)	<0.002	52.1	<0.002	473	2.51	0.0018(J)
	6/13/2018	0.00222(B)	1.08	0.00071(J)	<0.002	<0.002	40.9	<0.002	457	2.86(B)	0.00143(BJ)
	9/12/2018	<0.002	1.97	0.000951(J)	<0.002	<0.002	89.4	<0.002	507	2.57(B)	0.000442(J)
	12/12/2018	<0.002	0.656	0.0011(J)	<0.002	<0.002	64.5	<0.002	266	2.92	0.0011(J)
	3/12/2019	<0.002	1.27	0.000788(J)	<0.002	<0.002	75.1	<0.002	455	2.55(B)	0.00114(J)
	6/12/2019	0.00031(BJ)	1.49	0.000698(J)	<0.002	<0.002	68.8	<0.002	515	2.23(B)	0.000414(J)
	9/24/2019	<0.002	1.66	0.00101(J)	<0.002	<0.002	87.4	<0.002	447	2.33(B)	<0.005
	12/3/2019	<0.002	1.53	0.00104(J)	<0.002	<0.002	72	<0.002	428	2.75(B)	0.000632(BJ)
	3/12/2020	0.000348(J)	1.5	0.00114(J)	<0.002	<0.002	63.2	<0.002	466	2.05	0.000723(J)
	6/2/2020	<0.005	1.55	<0.002	<0.002	<0.002	42.3	<0.002	435	1.91	<0.005
	9/14/2020	<0.005	1.99	0.00127(J)	<0.002	<0.002	78.9	<0.002	475(B)	2.28(B)	<0.005
	12/8/2020	<0.002	2.36	0.00141(J)	<0.002	<0.002	92.8	<0.002	555	2.16	<0.005
	3/11/2021	<0.002	0.0765	<0.002	0.000498(J)	<0.002	88.7	<0.002	560	3.07(B)	0.00153(J)
MW-3	<i>downgradient</i>										
	10/27/1993	<0.025	1.25	<0.01	<0.05	<0.003	n/a	<0.05	n/a	n/a	<0.002
	3/15/1994	0.072	1.33	<0.01	<0.025	<0.004	23.9	0.015	314	5.6	0.004
	6/14/1994	0.038	1.18	<0.01	<0.025	<0.004	9.84	<0.01	352	9.1	0.002
	9/15/1994	0.065	1.26	<0.01	<0.025	<0.004	26.3	0.013	320	3.2	0.007
	12/22/1994	<0.01	1.3	<0.01	<0.025	<0.004	27.4	<0.01	347	3	<0.002
	6/2/1995	<0.01	1.35	<0.01	<0.025	<0.004	31.6	<0.01	340	3.6	<0.002
	12/14/1995	0.07	1.33	<0.01	0.029	<0.004	20.6	<0.01	352	2.3	0.007
	6/13/1996	<0.04	1.1	<0.01	<0.07	<0.007	30	<0.04	320	1.2	<0.008
	11/26/1996	<0.04	0.85	<0.01	<0.07	<0.007	27	<0.04	310	1.8	<0.008
	4/23/1997	<0.04	1.1	<0.01	<0.07	<0.007	22	<0.04	320	1.5	<0.008
	10/8/1997	<0.001	1.3	<0.01	<0.002	<0.007	19	<0.001	370	3.5	0.018
	4/13/1998	<0.001	1.3	<0.01	<0.002	<0.007	22	<0.001	370	4.6	<0.008

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Lead (mg/L)	Manganese (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sulfate (mg/L)	Thallium (mg/L)	TDS (mg/L)	TOC (mg/L)	Vanadium (mg/L)
MW-3 (cont.)	11/5/1998	<0.001	1.5	<0.01	<0.005	<0.007	21	<0.001	470	3.8	<0.008
	4/1/1999	<0.001	1.3	<0.01	<0.005	<0.007	20	<0.001	410	2.2	0.015
	10/22/1999	<0.001	1.3	<0.01	<0.005	<0.007	19	<0.001	370	2.7	<0.008
	5/10/2000	<0.001	1.5	<0.01	<0.005	<0.007	16	<0.001	380	3	<0.008
	10/12/2000	<0.001	1.2	<0.01	<0.005	<0.007	18	<0.001	340	2.1	<0.008
	4/26/2001	<0.001	1.3	<0.01	<0.005	<0.007	15	<0.001	380	2.1	<0.008
	10/26/2001	<0.001	1	<0.01	<0.005	<0.007	16	<0.001	330	2	<0.008
	4/10/2002	<0.001	1.2	<0.01	<0.005	<0.007	17	<0.001	380	2.1	<0.008
	11/6/2002	<0.001	1.4	<0.01	<0.005	<0.007	24	<0.001	390	2.3	<0.008
	4/18/2003	<0.001	1.6	<0.01	<0.005	<0.007	28	<0.001	420	2.3	<0.008
	11/5/2003	<0.001	1.2	<0.01	<0.005	<0.007	33	<0.001	460	2.6	<0.008
	4/29/2004	<0.001	1.5	<0.01	<0.005	<0.007	36	<0.001	440	2.3	<0.008
	10/20/2004	<0.001	1.3	<0.01	<0.005	<0.007	27	<0.001	400	2.2	<0.008
	4/27/2005	<0.001	1.2	<0.01	<0.005	<0.007	28	<0.001	370	2.3	<0.008
	10/4/2005	<0.001	1.4	<0.01	<0.005	<0.007	29	<0.001	410	2.3	<0.008
	4/26/2006	<0.001	1.4	<0.01	<0.005	<0.007	27	<0.001	380	2.2	<0.008
	10/3/2006	<0.001	1.5	<0.01	<0.005	<0.007	27	<0.001	360	2.2	<0.008
	4/11/2007	<0.001	1.4	<0.01	<0.005	<0.007	25	<0.001	430	2.6	<0.008
	10/4/2007	<0.001	1.7	<0.01	<0.005	<0.007	23	<0.001	410	2.7	<0.008
	4/21/2008	<0.005	1.4	<0.02	<0.001	<0.01	33	<0.001	420	5.5	<0.01
	10/9/2008	<0.005	1.4	<0.02	<0.001	<0.01	20	<0.001	400	4.8	<0.01
	6/11/2009	<0.005	1.4	<0.02	<0.001	<0.01	24	<0.001	420	16(O)	<0.01
	11/12/2009	<0.005	1.7	<0.02	<0.001	<0.01	33	<0.001	480	6.5	<0.01
	4/13/2010	<0.00024	1.3	0.0024	<0.00038	<0.00031	25	<0.00019	390(B)	3.7	<0.00018
	10/11/2010	0.0011	1.9	0.0025	0.00089(J)	<0.001	24	0.00019(J)	510(B)	2.1	0.00026(J)
	4/12/2011	<0.001	1.8	0.00067(J)	<0.001	<0.001	28	<0.001	460	2.6	<0.002
	12/6/2011	<0.001	1.8	0.0025	0.0011	<0.001	32	<0.001	490	2.9	0.00018
	5/7/2012	<0.001	1.6	0.0042	0.00075(J)	<0.001	38	<0.001	540	19(O)	<0.002
	10/8/2012	<0.001	1.8	0.0014	<0.001	<0.001	28	<0.001	440	1.6	0.00028(J)
	3/20/2013	<0.001	1.6	0.0041	<0.001	<0.001	37	<0.001	550	2.4	<0.002

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Lead (mg/L)	Manganese (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sulfate (mg/L)	Thallium (mg/L)	TDS (mg/L)	TOC (mg/L)	Vanadium (mg/L)
MW-3 (cont.)	9/25/2013	<0.001	1.5	0.0029	0.0013	<0.001	32(B)	<0.001	550	2.2	0.00073(J)
	3/18/2014	<0.001	1.6	0.0037	0.0014	<0.001	69	<0.001	540	2.9	<0.002
	9/16/2014	0.00062(J)	1.5(B)	0.0034	0.0023	<0.001	31	0.00026(J)	440	2.2	0.0035
	3/24/2015	<0.002	1.2	0.0022	<0.002	<0.002	79	<0.002	540	5.5	<0.005
	9/21/2015	<0.002	1.58	0.0025	<0.002	<0.002	32.2	<0.002	619	3.87	0.000301
	2/17/2016	<0.002	1.17	0.00166(J)	<0.002	<0.002	33.6	<0.002	441	2.19	0.000265(J)
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/24/2016	<0.002	1.46	0.00143(BJ)	0.00237	<0.002	27	<0.002	501(B)	2.04	<0.005
	12/1/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	470(B)	n/a	n/a
	3/6/2017	<0.002	1.54	0.00355	<0.002	<0.002	25.9	<0.002	573	2.59	<0.005
	5/24/2017	<0.002	1.28	0.00137(J)	<0.002	<0.002	27.8	<0.002	474	3.3	0.000196(BJ)
	9/1/2017	0.000313(J)	1.61	0.0021	<0.002	<0.002	25.7	<0.002	527	3.13	<0.005
	11/17/2017	<0.002	1.56	0.00193(J)	<0.002	<0.002	24.3	<0.002	493	2.75	<0.005
	3/13/2018	0.000668(BJ)	0.705	0.00541	<0.002	<0.002	59.1	<0.002	654	2.77	<0.005
	6/13/2018	0.00287(B)	1.56	0.00386	<0.002	<0.002	21.1	<0.002	551	3.42	<0.005
	9/13/2018	<0.002	0.833	0.0092	<0.002	<0.002	30.4	<0.002	700	3.38(B)	<0.005
	12/13/2018	<0.002	0.429	0.00869	<0.002	<0.002	58.9	<0.002	688	3.46	0.000241(J)
	3/18/2019	<0.002	1.27	0.00263	<0.002	<0.002	26.8	<0.002	486	2.73	<0.005
	6/13/2019	<0.002	1.28	0.00284	<0.002	<0.002	31.2	<0.002	429	2.8(B)	0.000182(J)
	9/24/2019	<0.002	1.38	0.00638	<0.002	<0.002	22.1	<0.002	588	3.72(B)	<0.005
	12/3/2019	<0.002	0.941	0.0106	<0.002	<0.002	45.4	<0.002	770	4.03	0.000242(BJ)
	3/13/2020	0.00027(J)	1.34	0.00337	<0.002	<0.002	28.1	<0.002	469	2.43	0.000206(J)
	6/2/2020	<0.005	1.21	0.00933	<0.002	<0.002	30.2	<0.002	572	3.34	<0.005
	9/15/2020	<0.005	2.06	0.00594	<0.002	<0.002	25.6	<0.002	593(B)	3.65(B)	<0.005
	12/8/2020	<0.002	1.74	0.013	<0.002	<0.002	25.5	<0.002	774	3.43	<0.005
	3/11/2021	<0.002	0.697	0.0148	<0.002	<0.002	41.2	<0.002	719	3.29(B)	<0.005
MW-4	downgradient										
	10/27/1993	<0.025	1.42	<0.01	<0.05	<0.003	n/a	<0.05	n/a	n/a	<0.002
	3/15/1994	0.059	1.2	0.022	<0.025	<0.004	48.7	<0.01	326	5.5	0.004
	6/14/1994	0.044	1.01	<0.01	<0.025	<0.004	35.9	<0.01	309	8.1	0.003

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MW-4 (cont.)	9/15/1994	0.073	1.13	<0.01	<0.025	<0.004	47.9	0.017	354	3.8	<0.002
	12/22/1994	<0.01	1.17	<0.01	<0.025	<0.004	45.6	0.018	328	3	<0.002
	6/2/1995	<0.01	1.48	<0.01	<0.025	<0.004	52.5	<0.01	369	3.8	<0.002
	12/14/1995	0.046	1.11	<0.01	0.092	<0.004	56	<0.01	324	2.3	<0.002
	6/13/1996	<0.04	1.1	<0.01	<0.07	<0.007	40	<0.04	340	1.5	<0.008
	11/26/1996	<0.04	1.1	<0.01	<0.07	<0.007	43	<0.04	320	1.8	<0.008
	4/23/1997	<0.04	0.68	<0.01	<0.07	<0.007	16	<0.04	270	1.6	<0.008
	10/8/1997	<0.001	0.68	0.011	<0.002	<0.007	27	<0.001	230	2.9	0.013
	4/13/1998	<0.001	0.67	<0.01	<0.002	<0.007	24	<0.001	240	3.4	<0.008
	11/5/1998	<0.001	0.62	<0.01	<0.005	<0.007	25	<0.001	240	2.8	<0.008
	4/1/1999	<0.001	0.55	<0.01	<0.005	<0.007	22	<0.001	250	2.3	0.0081
MW-4R	<i>downgradient</i>										
	10/22/1999	<0.001	2	<0.01	<0.005	<0.007	62	<0.001	440	2.8	<0.008
	5/10/2000	<0.001	2.1	<0.01	<0.005	<0.007	66	<0.001	430	2.8	<0.008
	10/12/2000	<0.001	1.8	<0.01	<0.005	<0.007	60	<0.001	460	2.4	<0.008
	4/26/2001	<0.001	1.9	<0.01	<0.005	<0.007	72	<0.001	500	2.1	<0.008
	10/26/2001	<0.001	1.4	<0.01	<0.005	<0.007	64	<0.001	460	2.2	<0.008
	4/10/2002	<0.001	2	<0.01	<0.005	<0.007	55	<0.001	450	2.1	<0.008
	11/6/2002	<0.001	1.8	<0.01	<0.005	<0.007	57	<0.001	440	2	<0.008
	4/18/2003	<0.001	2	<0.01	<0.005	<0.007	60	<0.001	420	2.3	<0.008
	11/5/2003	<0.001	1.4	<0.01	<0.005	<0.007	67	<0.001	500	2.5	<0.008
	4/29/2004	<0.001	1.7	0.016	<0.005	<0.007	64	<0.001	470	2.5	<0.008
	10/20/2004	<0.001	1.7	<0.01	<0.005	<0.007	61	<0.001	440	2.3	<0.008
	4/27/2005	<0.001	1.8	<0.01	<0.005	<0.007	69	<0.001	460	2.7	<0.008
	10/4/2005	<0.001	2	<0.01	<0.005	<0.007	76	<0.001	560	2.6	<0.008
	4/26/2006	<0.001	2	<0.01	<0.005	<0.007	86	<0.001	550	3	<0.008
	10/3/2006	<0.001	2.3	<0.01	<0.005	<0.007	90	<0.001	570	4.3	<0.008
	4/11/2007	<0.001	2.4	<0.01	<0.005	<0.007	91	<0.001	630	4.8	<0.008

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MW-4R	10/4/2007	<0.001	2.5	<0.01	<0.005	<0.007	76	<0.001	620	6.3	<0.008
(cont.)	4/21/2008	<0.005	2.4	<0.02	<0.001	<0.01	63	<0.001	530	7.7	<0.01
	10/9/2008	<0.005	2.2	<0.02	<0.001	<0.01	55	<0.001	530	10	<0.01
MW-4R2	downgradient										
	6/11/2009	<0.005	1.4	<0.02	<0.001	<0.01	28	<0.001	300	3.1	<0.01
	11/12/2009	<0.005	1.3	<0.02	<0.001	<0.01	28	<0.001	280	3.4	<0.01
	4/14/2010	<0.00024	1.4	0.002	<0.00038	<0.00031	33	<0.00019	290(B)	2.3	<0.00018
	10/12/2010	0.00065(J)	1.4	0.0016	0.0005(J)	<0.001	32	0.00019(J)	300(B)	1.5	0.00026(J)
	4/13/2011	<0.001	1.5	<0.001	<0.001	<0.001	34	<0.001	310	1.4	<0.002
	12/6/2011	<0.001	1.5	0.0023	0.0006	<0.001	36	<0.001	310	2.2	<0.002
	5/7/2012	<0.001	1.2	0.0012	<0.001	0.00042(J)	40	<0.001	280	5.1	<0.002
	10/8/2012	<0.001	1.1	0.00039(J)	<0.001	<0.001	27	<0.001	230	2	0.00029(J)
	3/20/2013	<0.001	0.72	0.0014	0.0012	<0.001	18	<0.001	220	2.5	<0.002
	9/25/2013	<0.001	1.4	0.0013	0.00061(J)	<0.001	42(B)	<0.001	280	1.8	0.00057(J)
	3/18/2014	<0.001	1	<0.005	<0.005	<0.001	26	<0.001	240	2.3	<0.01
	9/16/2014	0.00037(J)	0.98(B)	0.0019	0.0018	<0.001	22	0.00024(J)	210	2.4	0.0029
	3/24/2015	<0.002	0.84	0.00045(J)	<0.002	<0.002	22	<0.002	210	2.9	<0.005
	9/23/2015	0.000339	1.15	0.000985	<0.002	<0.002	24.7	<0.002	251	2.59	0.0003
	2/9/2016	<0.002	1.08	0.000773(BJ)	<0.002	<0.002	25.9	<0.002	251	2.31	0.000246(J)
	8/24/2016	<0.002	1.08	0.00167(BJ)	0.00198(J)	<0.002	26.1	<0.002	282(B)	2.64	<0.005
	3/3/2017	<0.002	1.48	0.000982(J)	<0.002	<0.002	17.9	<0.002	263	2.76	<0.005
	5/23/2017	0.000554(BJ)	1.11	0.000803(J)	<0.002	<0.002	18.1	<0.002	309	3	0.000208(BJ)
	9/1/2017	<0.002	1.27	0.00163(J)	<0.002	<0.002	21.8	<0.002	259	3.09	<0.005
	11/17/2017	<0.002	1.52	0.00199(J)	<0.002	<0.002	21.1	<0.002	275	3.1	<0.005
	3/12/2018	<0.002	1.56	0.00103(J)	<0.002	<0.002	20.1	<0.002	322	3.02	<0.005
	6/13/2018	0.000743(BJ)	0.879	0.000839(J)	<0.002	<0.002	19.1	<0.002	318	2.7(B)	<0.005
	9/12/2018	<0.002	1.43	0.00181(J)	<0.002	<0.002	25.2	<0.002	276	2.81(B)	0.000194(J)
	12/12/2018	0.000255(J)	1.67	0.0024	<0.002	<0.002	27.2	<0.002	425	2.33	<0.005
	3/12/2019	<0.002	1.44	0.00124(J)	<0.002	<0.002	30.8	<0.002	318	2.73(B)	<0.005
	6/12/2019	0.000794(BJ)	1.34	0.00129(J)	<0.002	<0.002	25	<0.002	309	2.26(B)	<0.005

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MW-4R2 (cont.)	9/24/2019	<0.002	1.36	0.00181(J)	<0.002	<0.002	26.8	<0.002	270	2.57(B)	<0.005
	12/3/2019	<0.002	1.51	0.00222	<0.002	<0.002	19.5	<0.002	324	3.32	0.000264(BJ)
	3/12/2020	<0.002	1.48	0.00235	<0.002	<0.002	15.3	<0.002	307	3.24	0.000219(J)
	6/2/2020	<0.005	1.18	0.00244	<0.002	<0.002	10.7	<0.002	290	4.04	<0.005
	9/14/2020	<0.005	1.59	0.00384	<0.002	<0.002	12.7	<0.002	301(B)	3.55(B)	<0.005
	12/8/2020	<0.002	2.07	0.00381	<0.002	<0.002	17.3	<0.002	335	2.5	<0.005
	3/11/2021	<0.002	1.64	0.00356	<0.002	<0.002	14.5	<0.002	333	3.64	<0.005
MW-5	downgradient										
	6/14/1994	0.265	0.254	0.174	<0.025	<0.004	76.5	0.13	482	7.2	0.463
	9/15/1994	0.058	1.15	<0.01	<0.025	<0.004	67	0.014	375	3.7	0.038
	12/22/1994	<0.01	1.13	0.033	<0.025	<0.004	79.3	0.026	399	2.5	0.076
	6/2/1995	<0.01	0.527	<0.01	<0.025	<0.004	78.7	<0.01	425	4.5	<0.002
	12/14/1995	0.073	0.448	<0.01	0.055	<0.004	57.5	<0.01	417	1.82	0.02
	6/13/1996	<0.04	0.42	<0.01	<0.07	<0.007	48	<0.04	390	<1	<0.008
	11/26/1996	<0.04	0.56	<0.01	<0.07	<0.007	48	<0.04	370	1.5	<0.008
	4/23/1997	<0.04	0.18	0.015	<0.07	<0.007	36	<0.04	410	<1	0.018
	10/8/1997	<0.001	0.29	<0.01	<0.002	<0.007	50	<0.001	380	2.4	<0.008
	4/13/1998	<0.001	0.36	<0.01	<0.002	<0.007	42	<0.001	380	3.5	<0.008
	11/5/1998	<0.001	0.38	<0.01	<0.005	<0.007	47	<0.001	480	2.8	<0.008
	4/1/1999	<0.001	0.26	<0.01	<0.005	<0.007	44	<0.001	420	1.5	0.0086
	10/22/1999	<0.001	0.82	<0.01	<0.005	<0.007	53	<0.001	390	2.6	<0.008
	5/10/2000	<0.001	0.87	<0.01	<0.005	<0.007	50	<0.001	400	2.5	<0.008
	10/12/2000	<0.001	0.86	<0.01	<0.005	<0.007	54	<0.001	410	2.3	<0.008
	4/26/2001	<0.001	0.69	<0.01	0.0056	<0.007	49	<0.001	430	1.6	<0.008
	10/26/2001	<0.001	0.56	<0.01	<0.005	<0.007	55	<0.001	410	1.9	<0.008
	4/10/2002	<0.001	0.71	<0.01	0.0063	<0.007	50	<0.001	390	1.7	<0.008
	11/6/2002	<0.001	0.15	<0.01	<0.005	<0.007	65	<0.001	330	1.5	<0.008
	4/18/2003	<0.001	0.59	<0.01	<0.005	<0.007	47	<0.001	370	1.7	<0.008

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Historical Database, Mississippi County Class 1 Landfill

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MW-5R	downgradient										
	11/5/2003	<0.001	2	<0.01	<0.005	<0.007	50	<0.001	360	2.1	<0.008
	4/29/2004	<0.001	1.4	0.011	<0.005	<0.007	44	<0.001	320	2.1	<0.008
	10/20/2004	<0.001	1.4	<0.01	<0.005	<0.007	47	<0.001	320	2.1	<0.008
	4/27/2005	<0.001	1.3	<0.01	<0.005	<0.007	40	<0.001	300	2.3	<0.008
	10/4/2005	<0.001	1.6	<0.01	<0.005	<0.007	47	<0.001	340	1.8	<0.008
	4/26/2006	<0.001	1.6	<0.01	<0.005	<0.007	42	<0.001	290	1.9	<0.008
	10/3/2006	<0.001	1.5	<0.01	<0.005	<0.007	47	<0.001	300	2	<0.008
	4/11/2007	<0.001	1.5	<0.01	<0.005	<0.007	42	<0.001	300	2	<0.008
	10/4/2007	<0.001	2.3	<0.01	<0.005	<0.007	49	<0.001	340	2.4	<0.008
	4/21/2008	<0.005	1.4	<0.02	<0.001	<0.01	44	<0.001	310	2.4	<0.01
	10/9/2008	<0.005	1.4	<0.02	<0.001	<0.01	43	<0.001	300	2.9	<0.01
	6/11/2009	<0.005	1.5	<0.02	<0.001	<0.01	44	<0.001	330	3.6	<0.01
	11/12/2009	<0.005	1.5	<0.02	<0.001	<0.01	45	<0.001	310	3.5	<0.01
	4/14/2010	<0.00024	1.7	0.0017	<0.00038	<0.00031	48	<0.00019	330(B)	3	<0.00018
	10/12/2010	0.00095(J)	1.7	0.0016	<0.001	<0.001	46	<0.001	340(B)	2	0.00021(J)
	4/13/2011	<0.001	1.6	<0.001	<0.001	<0.001	44	<0.001	320	1.3	<0.002
	12/6/2011	0.00072	2	0.0019	0.00071	0.00034	46	<0.001	340	2.2	<0.002
	5/7/2012	<0.001	1.7	0.0019	<0.001	<0.001	48	<0.001	340	6.5	<0.002
	10/8/2012	<0.001	1.9	0.0037	<0.001	<0.001	48	<0.001	330	1.4	0.00026(J)
	3/20/2013	<0.001	1.7	0.0018	<0.001	<0.001	46	<0.001	350	1.7	<0.002
	9/25/2013	<0.001	0.6	0.00097(J)	<0.001	<0.001	46(B)	<0.001	320	1.2	0.00052(J)
	3/18/2014	<0.001	1.9	0.0042(J)	<0.005	<0.001	47	<0.001	340	1.5	<0.01
	9/17/2014	0.00037(J)	1.8(B)	0.0021	0.0011	<0.001	46	0.00022(J)	320	1.5	0.0025
	3/24/2015	<0.002	0.069	<0.002	<0.002	<0.002	52	<0.002	320	2.2	<0.005
	9/23/2015	0.000719	1.65	0.000507	<0.002	<0.002	46.9	<0.002	322	2.31	0.000339
	2/9/2016	0.000292(J)	1.6	0.000369(BJ)	<0.002	<0.002	46.7	<0.002	336	1.47	<0.005
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/24/2016	0.000281(J)	1.53	0.00133(BJ)	0.00135(J)	<0.002	47.7	<0.002	353(B)	2.03	<0.005
	3/3/2017	<0.002	1.72	<0.002	<0.002	<0.002	49.6	<0.002	320	1.44	<0.005

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MW-5R (cont.)	5/23/2017	<0.002	1.66	0.000378(J)	<0.002	<0.002	51.6	<0.002	356	1.88	<0.005
	9/1/2017	0.000354(J)	1.66	0.000471(J)	<0.002	<0.002	50.6	<0.002	321	2.09	<0.005
	11/17/2017	<0.002	1.73	0.00057(J)	<0.002	<0.002	48.9	<0.002	348	1.68	<0.005
	3/13/2018	0.000849(BJ)	1.85	0.000739(J)	<0.002	<0.002	50.7	<0.002	363	2.05	0.000327(J)
	6/13/2018	0.000512(BJ)	1.39	0.000559(J)	<0.002	<0.002	46.6	<0.002	377	1.69(B)	<0.005
	9/13/2018	<0.002	1.79	0.000673(J)	<0.002	<0.002	46.6	<0.002	343	2.1(B)	<0.005
	12/13/2018	0.00065(J)	1.83	0.000672(J)	<0.002	<0.002	47.7	0.000361(J)	340	1.95	0.000276(J)
	3/13/2019	<0.002	1.97	0.000525(J)	<0.002	<0.002	49.8	<0.002	364	1.84(B)	<0.005
	6/13/2019	0.000393(BJ)	1.84	0.00069(J)	<0.002	<0.002	46.3	<0.002	368	2.06(B)	<0.005
	9/24/2019	0.000801(J)	1.77	0.000874(J)	<0.002	<0.002	48.3	<0.002	337	2.35(B)	<0.005
	12/3/2019	0.000337(J)	1.76	0.000564(J)	<0.002	<0.002	49.2	<0.002	359	2.05(B)	0.000207(BJ)
	3/12/2020	0.000315(J)	2.03	0.000901(J)	<0.002	<0.002	42.7	<0.002	364	1.96(B)	<0.005
	6/2/2020	<0.005	1.88	0.000983(J)	<0.002	<0.002	37.1	<0.002	329	2.64	<0.005
	9/14/2020	<0.005	1.94	0.00113(J)	<0.002	<0.002	45.3	<0.002	323(B)	1.82(B)	<0.005
	12/8/2020	<0.002	2.09	0.00132(J)	<0.002	<0.002	44.4	<0.002	355	2.01	<0.005
	3/11/2021	<0.002	2.07	0.00103(J)	<0.002	<0.002	45.2	<0.002	357	1.7(B)	<0.005
MW-6	<i>downgradient</i>										
	11/5/2003	<0.001	1.6	<0.01	<0.005	<0.007	35	<0.001	460	2.1	<0.008
	4/29/2004	0.0034	1	0.012	<0.005	<0.007	33	<0.001	490	1.9	<0.008
	10/20/2004	<0.001	1.2	<0.01	<0.005	<0.007	30	<0.001	490	2	<0.008
	4/27/2005	<0.001	1.1	<0.01	<0.005	<0.007	28	<0.001	390	1.5	<0.008
	10/4/2005	<0.001	1	<0.01	<0.005	<0.007	31	<0.001	400	1.2	<0.008
	4/26/2006	<0.001	1.2	<0.01	<0.005	<0.007	44	<0.001	490	1.5	<0.008
	10/3/2006	<0.001	1.3	<0.01	<0.005	<0.007	44	<0.001	460	2.1	<0.008
	4/11/2007	0.0012	1.2	<0.01	<0.005	<0.007	39	<0.001	470	1.8	<0.008
	10/4/2007	<0.001	1.2	<0.01	<0.005	<0.007	31	<0.001	470	2.2	<0.008
	4/21/2008	<0.005	1.2	<0.02	<0.001	<0.01	48	<0.001	470	3.7	<0.01
	10/9/2008	<0.005	1	<0.02	<0.001	<0.01	30	<0.001	440	4.2	<0.01
	6/11/2009	<0.005	1.2	<0.02	<0.001	<0.01	46	<0.001	540	4.7	<0.01
	11/12/2009	<0.005	0.84	<0.02	<0.001	<0.01	43	<0.001	450	4.4	<0.01

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MW-6 (cont.)	4/14/2010	<0.00024	1	0.0032	0.00045(J)	<0.00031	47	<0.00019	450(B)	3.2	<0.00018
	10/12/2010	0.00052(J)	1.3	0.0027	0.00053(J)	<0.001	34	<0.001	490(B)	1.5	0.00022(J)
	4/13/2011	<0.001	0.99	0.0017	<0.001	<0.001	40	<0.001	430	1.5	<0.002
	12/6/2011	<0.001	0.86	0.0031	0.0018	<0.001	28	<0.001	420	2.2	<0.002
	5/8/2012	<0.001	0.89	0.0031	<0.001	<0.001	29	<0.001	390	8.5	<0.002
	10/8/2012	<0.001	1.5	0.0045	<0.001	<0.001	48(O)	<0.001	510	1.9	0.00027(J)
	3/20/2013	<0.001	0.66	0.0031	<0.001	<0.001	27	<0.001	400	1.5	<0.002
	9/25/2013	0.0021	0.83	0.0026	<0.001	<0.001	16(B)	<0.001	380	1.9	<0.002
	3/19/2014	0.00025(J)	0.86	0.0022	0.00055(J)	<0.001	24	<0.001	380	1.5	0.00026(J)
	9/17/2014	0.00029(J)	0.77(B)	0.0045	0.0018	<0.001	18	0.00024(J)	420	1.8	0.0024
	3/24/2015	<0.002	0.46	0.0014(J)	<0.002	<0.002	25	<0.002	410	3.6	<0.005
	9/23/2015	0.000483	0.95	0.00158	<0.002	<0.002	21.3	<0.002	456	2.87	0.000281
	2/9/2016	<0.002	1.04	0.00184(BJ)	<0.002	<0.002	23	<0.002	472	2.03	0.000213(J)
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/24/2016	0.000364(J)	0.761	0.0031(B)	0.00138(J)	<0.002	23	<0.002	468(B)	2.6	<0.005
	3/6/2017	<0.002	0.692	0.00357	<0.002	<0.002	24.8	<0.002	493	2.61	<0.005
	5/23/2017	0.000469(BJ)	1.1	0.00368	<0.002	<0.002	28.9	<0.002	540	3.55	0.000219(BJ)
	9/1/2017	<0.002	0.944	0.00732	<0.002	<0.002	26.6	<0.002	641	5.23	<0.005
	11/17/2017	<0.002	1.14	0.00928	<0.002	<0.002	23.2	<0.002	659	6.14	<0.005
	3/13/2018	0.00101(BJ)	1.31	0.00872	<0.002	<0.002	25	<0.002	656	4.91	0.000306(J)
	6/13/2018	0.0038(B)	1.45	0.00831	<0.002	<0.002	23.3	<0.002	643	3.52	0.000182(BJ)
	9/13/2018	<0.002	0.9	0.00804	<0.002	<0.002	25	<0.002	587	4.22(B)	<0.005
	12/13/2018	0.000324(J)	1.35	0.00729	<0.002	<0.002	22.8	<0.002	605	4.19	<0.005
	3/14/2019	<0.002	1.28	0.00813	<0.002	<0.002	25.3	<0.002	620	4.12(B)	<0.005
	6/13/2019	0.000489(BJ)	1.62	0.00723	<0.002	<0.002	24	<0.002	569	3.82	<0.005
	9/24/2019	0.000291(J)	1.06	0.0052	<0.002	<0.002	23.8	<0.002	497	4.2	<0.005
	12/3/2019	<0.002	0.884	0.00711	<0.002	<0.002	23	<0.002	574	3.99	0.000183(BJ)
	3/13/2020	0.000362(J)	1.07	0.00688	<0.002	<0.002	25.1	<0.002	557	3.24	0.000242(J)
	6/2/2020	<0.005	0.889	0.00639	<0.002	<0.002	25.6	<0.002	501	3.07	<0.005

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MW-6 (cont.)	9/14/2020	<0.005	0.947	0.00513	<0.002	<0.002	24.2	<0.002	486(B)	3.05	<0.005
	12/8/2020	<0.002	0.901	0.00582	<0.002	<0.002	21.5	<0.002	515	2.64	<0.005
	3/11/2021	<0.002	0.801	0.00492	<0.002	<0.002	22.7	<0.002	476	3.19(B)	<0.005
OB-1	upgradient										
	4/11/2007	<0.001	2.2	<0.01	<0.005	<0.007	3.4	<0.001	390	2.9	<0.008
	11/30/2016	<0.002	2.29	0.000413(BJ)	<0.002	<0.002	4.29(J)	<0.002	375(B)	2.34	<0.005
	3/1/2017	<0.002	2.24	<0.002	<0.002	<0.002	4.04(J)	<0.002	361	1.45	0.000207(J)
	5/17/2017	<0.002	1.81	<0.002	<0.002	<0.002	6.42	<0.002	377	2.08	0.000266(J)
	8/16/2017	<0.002	2.46	<0.002	<0.002	<0.002	5.98	<0.002	413	1.97	<0.005
	11/13/2017	<0.002	2.35	<0.002	<0.002	<0.002	3.92(J)	<0.002	366	1.83	<0.005
	3/12/2018	0.000457(J)	2.51	0.000742(J)	<0.002	<0.002	5.14	0.000327(J)	408	1.93	0.000305(J)
	6/11/2018	0.000277(BJ)	2.18	<0.002	<0.002	<0.002	6.22	<0.002	417	1.44(B)	0.000211(J)
	9/12/2018	<0.002	2.58	<0.002	<0.002	<0.002	5.99	<0.002	406	2.14(B)	0.000183(J)
	12/11/2018	<0.002	2.77	0.00151(J)	<0.002	<0.002	6.06	<0.002	264	1.63	0.000315(J)
	3/12/2019	0.000261(J)	1.99	0.00102(J)	<0.002	<0.002	5.27	<0.002	394	1.53(B)	0.000258(J)
	6/12/2019	0.000681(BJ)	1.62	0.000388(J)	<0.002	<0.002	6.2	<0.002	329	1.55(B)	<0.005
	9/24/2019	<0.002	2.42	0.000577(J)	<0.002	<0.002	5.68	<0.002	385	1.76(B)	<0.005
	12/3/2019	0.000559(BJ)	1.73	0.000749(J)	<0.002	<0.002	5.31(B)	<0.002	372	1.27(B)	0.000278(J)
	3/10/2020	<0.002	0.0367	0.00109(J)	0.000496(J)	<0.002	6.47	<0.002	271	0.962(BJ)	0.000365(J)
	6/2/2020	<0.005	0.888	0.00108(J)	<0.002	<0.002	6	<0.002	292	1.35(B)	<0.005
	9/14/2020	<0.005	2.94	<0.002	<0.002	<0.002	5.58	<0.002	368(B)	1.36(B)	<0.005
	12/8/2020	<0.002	2.92	<0.002	<0.002	<0.002	3.46(J)	<0.002	388(B)	1.55(B)	<0.005
	3/9/2021	<0.002	2.33	0.00102(J)	<0.002	<0.002	4.93(J)	<0.002	380	2.01(B)	<0.005
MW-10	upgradient										
	4/2/2013	0.00059(J)	0.39	0.0033	0.025	<0.001	50	<0.001	320	1.9	0.0012(J)
	6/12/2013	<0.001	0.27	0.0019	0.026	<0.001	44	<0.001	310	1.8	0.00046(J)
	9/25/2013	0.00042(J)	0.86	0.0027	<0.001	<0.001	38(B)	<0.001	290	2.6	<0.002
	12/11/2013	<0.005	1.2	0.0022	0.00053(J)	<0.005	40	<0.005	320	2.2	<0.01
	3/19/2014	0.00033(J)	0.73	0.0025	0.0012	<0.001	30	<0.001	260	2.8	0.00097(J)
	6/25/2014	<0.001	0.58	0.0015	<0.001	<0.001	28	<0.001	280	2.5	0.00076(J)

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Lead (mg/L)	Manganese (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sulfate (mg/L)	Thallium (mg/L)	TDS (mg/L)	TOC (mg/L)	Vanadium (mg/L)
MW-10 (cont.)	9/18/2014	0.00026(J)	0.87(B)	0.004	0.0014	<0.001	35	0.00022(J)	300	3.4	0.0025
	12/16/2014	0.001(J)	0.98	0.0048	0.0012(J)	<0.002	42	<0.002	320	3	<0.005
	3/25/2015	<0.002	0.0024(J)	0.00058(J)	0.024	<0.002	30	<0.002	250	1.9	0.00041(J)
	9/24/2015	0.000355	0.436	0.000885	0.000518	<0.002	33	<0.002	291	3.01	0.00063
	2/18/2016	0.000295(J)	0.00328(J)	0.0012(J)	0.0319	<0.002	28.9	<0.002	279	1.3	0.00104(J)
	8/25/2016	0.000576(BJ)	0.285	0.00211(B)	<0.002	<0.002	28.7	<0.002	270	2.2	0.000546(J)
	5/18/2017	<0.002	0.0557	0.00064(BJ)	0.000771(J)	<0.002	29.6	<0.002	249	1.59	0.00105(J)
	11/14/2017	<0.002	0.278	0.00118(J)	<0.002	<0.002	31.2	<0.002	280	2.51	0.000375(J)
	6/11/2018	0.00041(BJ)	0.161	0.00154(J)	<0.002	<0.002	23.2	<0.002	239	1.61(B)	0.000836(J)
	12/17/2018	0.000315(J)	0.235	0.00173(J)	0.00048(J)	<0.002	13	<0.002	184	3.59	0.00204(J)
	6/19/2019	0.000475(J)	0.652	0.00155(J)	<0.002	<0.002	11.7	<0.002	211	2.69(B)	0.000823(J)
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	0.000294(J)	0.0215	0.00176(J)	<0.002	<0.002	20.2	<0.002	214	2.01(B)	0.00174(BJ)
	6/10/2020	<0.005	0.37	0.00155(J)	0.0016(J)	<0.002	15.2	<0.002	220	1.84	<0.005
	12/10/2020	<0.002	0.325	0.0016(J)	0.00408	<0.002	15.3	<0.002	204(B)	2.05(B)	0.00119(J)
	MW-11 <i>upgradient</i>										
	11/5/2015	0.000334	2	0.00187	<0.002	<0.002	44.8	<0.002	310	2.43	0.00104
	2/10/2016	<0.002	1.88	0.0025(B)	<0.002	<0.002	44.5	<0.002	286	1.44	0.000252(J)
	5/19/2016	<0.002	1.72	0.00318	<0.002	<0.002	47.2	<0.002	294	2.17	0.000206(BJ)
	8/28/2016	<0.002	1.76	0.00348(B)	<0.002	<0.002	47.9	<0.002	378(B)	1.54(B)	0.000381(J)
	12/1/2016	<0.002	1.75	0.00211(B)	<0.002	<0.002	51.2	<0.002	314(B)	2.85	<0.005
	3/2/2017	<0.002	1.55	0.00216	<0.002	<0.002	52.1	<0.002	318	3.54	0.000242(J)
	5/19/2017	<0.002	1.73	0.00264(B)	<0.002	<0.002	47.4	<0.002	294	1.69	0.000236(J)
	8/17/2017	<0.002	1.8	0.00241	<0.002	<0.002	53.1	<0.002	318	2.95	0.000212(J)
	11/14/2017	<0.002	1.67	0.00249	<0.002	<0.002	40.6	<0.002	321	2.31	<0.005
	6/11/2018	<0.002(B)	1.76	0.00295	<0.002	<0.002	47	<0.002	306	1.61(B)	<0.005
	12/17/2018	<0.002	1.05	0.000956(J)	<0.002	<0.002	7.6	<0.002	207	6.23	0.00299(J)
	3/13/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.95(B)	n/a
	6/20/2019	<0.002	1.47	0.000972(J)	<0.002	<0.002	39.2	<0.002	301	1.94(B)	0.000441(J)
	12/5/2019	0.000251(J)	0.974	0.000818(J)	<0.002	<0.002	32.3	<0.002	304	2.61(B)	0.000633(BJ)

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MW-11 (cont.)	6/10/2020	<0.005	1.93	<0.002	<0.002	<0.002	37.9	<0.002	276	1.69(B)	<0.005
	12/9/2020	<0.002	1.73	<0.002	<0.002	<0.002	37.8	<0.002	330(B)	1.44(B)	<0.005
	3/9/2021	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	4/19/2021	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MW-12	<i>downgradient</i>										
	11/5/2015	<0.002	2.68	0.00107	<0.002	<0.002	58.7	<0.002	315	1.91	0.00061
	2/10/2016	<0.002	1.64	0.00254(B)	<0.002	<0.002	44.2	<0.002	263	1.08	0.000197(J)
	5/19/2016	<0.002	1.93	0.00143(J)	<0.002	<0.002	42.9	<0.002	261	1.51	<0.005
	8/28/2016	<0.002	2.46	0.00347(B)	<0.002	<0.002	53.3	<0.002	370(B)	1.95(B)	0.00029(J)
	12/1/2016	<0.002	2.26	0.00153(BJ)	<0.002	<0.002	56.2	<0.002	301(B)	1.51	<0.005
	3/2/2017	<0.002	0.417	0.0017(J)	<0.002	<0.002	44.9	<0.002	240	1.01	0.000252(J)
	5/19/2017	<0.002	2.47	0.00118(BJ)	<0.002	<0.002	56.4	<0.002	306	1.5	0.000565(J)
	8/17/2017	<0.002	1.44	0.00479	<0.002	<0.002	47	<0.002	249	1.42	0.00023(J)
	11/14/2017	<0.002	1.31	0.00617	<0.002	<0.002	37.2	<0.002	229	1.32	<0.005
	6/11/2018	<0.002(B)	2.16	0.00304	<0.002	<0.002	42.2	<0.002	284	1.03(B)	0.000183(J)
	12/17/2018	<0.002	0.785	0.00284	<0.002	<0.002	21.3	<0.002	169	2.66	0.0013(J)
	3/13/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.5(B)	n/a
	6/20/2019	<0.002	2.03	0.00212	<0.002	<0.002	45	<0.002	287	1.39(B)	0.000353(J)
	12/5/2019	<0.002	0.959	0.00191(J)	<0.002	<0.002	23.8	<0.002	201	1.64(B)	0.000416(BJ)
	6/10/2020	<0.005	1.72	0.00199(J)	0.000688(J)	<0.002	49.5	<0.002	270	1.06(B)	<0.005
	12/10/2020	<0.002	1.02	0.00364	<0.002	<0.002	33.8	<0.002	214(B)	1.53(B)	<0.005
MW-13	<i>downgradient</i>										
	11/5/2015	<0.002	1.78	<0.002	<0.002	<0.002	98.5	<0.002	386	9.08	0.000643
	2/10/2016	<0.002	1.76	<0.002	<0.002	<0.002	49	<0.002	303	1.56	0.000228(J)
	5/19/2016	<0.002	2	0.00301	<0.002	<0.002	53.9	<0.002	306	2.37	0.000776(BJ)
	8/28/2016	0.00067(BJ)	1.85	0.00145(BJ)	<0.002	<0.002	52.8	<0.002	383(B)	1.44(B)	0.000793(J)
	12/1/2016	<0.002	1.85	<0.002	<0.002	<0.002	48.6	<0.002	296(B)	2.68	0.000614(J)
	3/2/2017	<0.002	0.757	0.00155(J)	0.00312	<0.002	71.4	<0.002	344	1.63	0.000423(J)
	5/24/2017	<0.002	1.82	<0.002	<0.002	<0.002	55	<0.002	342	1.47	0.000344(BJ)
	8/18/2017	<0.002	1.89	<0.002	<0.002	<0.002	55.7	<0.002	304	1.9	0.000289(J)

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MW-13 (cont.)	11/14/2017	<0.002	1.85	0.000394(J)	0.000425(J)	<0.002	52.4	<0.002	327	1.68	0.000336(J)
	6/11/2018	0.000258(BJ)	2.01	0.00131(J)	<0.002	<0.002	57	<0.002	334	1.76(B)	0.00049(J)
	12/19/2018	<0.002	1.4	0.000961(J)	0.000535(J)	<0.002	17.4	<0.002	259	4.43	0.00277(J)
	6/20/2019	<0.002	1.31	0.000903(J)	<0.002	<0.002	21.7	<0.002	283	3.51	0.00119(J)
	12/5/2019	0.000245(J)	0.57	0.000536(J)	0.000393(J)	<0.002	30.4	<0.002	293	2.12(B)	0.00112(BJ)
	6/10/2020	<0.005	2.02	<0.002	0.000722(J)	<0.002	32.7	<0.002	291	1.57(B)	0.00128(J)
	12/10/2020	<0.002	0.648	0.00138(J)	0.000778(J)	<0.002	32.7	<0.002	272(B)	2.63(B)	0.00109(J)
MW-14	<i>downgradient</i>										
	11/6/2015	<0.002	1.99	0.000412	<0.002	<0.002	112	<0.002	431	7.71	0.000709
	2/18/2016	<0.002	1.51	0.00191(J)	<0.002	<0.002	26.4	<0.002	232	1.48	0.000289(J)
	5/23/2016	<0.002	1.72	<0.002	<0.002	<0.002	31.9	<0.002	291(B)	31.3	0.000593(BJ)
	8/29/2016	0.000408(BJ)	1.68	0.000774(BJ)	<0.002	<0.002	25.1	<0.002	343	1.19(B)	0.000323(J)
	12/1/2016	<0.002	1.32	<0.002	<0.002	<0.002	19.1	<0.002	225(B)	2.24	<0.005
	3/2/2017	<0.002	1.38	<0.002	<0.002	<0.002	19.9	<0.002	222	1.24	0.000203(J)
	5/22/2017	<0.002	0.942	<0.002	<0.002	<0.002	18.4	<0.002	262	1.2	0.000228(BJ)
	8/18/2017	<0.002	1.66	<0.002	<0.002	<0.002	33.1	<0.002	240	2.13	0.000227(J)
	11/16/2017	<0.002	1.47	<0.002	<0.002	<0.002	24.8	<0.002	227	1.86	<0.005
	6/13/2018	0.00117(BJ)	0.895	<0.002	<0.002	<0.002	19.6	<0.002	246	1.23(B)	0.000241(BJ)
	12/19/2018	<0.002	1.72	<0.002	<0.002	<0.002	16.9	<0.002	215	1.4	0.000688(J)
	6/19/2019	0.000346(J)	2.13	0.000422(J)	<0.002	<0.002	42.6	<0.002	271	1.56(B)	0.000216(J)
	9/24/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/5/2019	<0.002	1.98	<0.002	<0.002	<0.002	40.3	<0.002	306	1.7(B)	0.000308(BJ)
	3/10/2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/5/2020	<0.005	1.83	<0.002	<0.002	<0.002	40.7	<0.002	307	1.85(B)	<0.005
	12/11/2020	<0.002	2.28	<0.002	<0.002	<0.002	37.7	<0.002	314(B)	1.34(B)	<0.005
MW-15	<i>downgradient</i>										
	4/3/2013	0.0012	0.49	0.0044	0.0084	<0.001	26	<0.001	200	1.5	0.0041
	4/3/2013	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/12/2013	<0.001	0.49	0.0028	0.002	<0.001	38	<0.001	240	1.6	0.0005(J)

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MW-15 (cont.)	9/25/2013	<0.001	0.011	0.002	0.0017	<0.001	18(B)	<0.001	140	1.2	0.00056(J)
	12/12/2013	<0.005	0.13	0.0031	0.00041(J)	<0.005	22	<0.005	160	0.91(J)	<0.01
	3/19/2014	0.042	0.69	0.084	0.0089	<0.001	19	0.00077(J)	160	1.2	0.096
MW-15R	downgradient										
	11/6/2015	<0.002	0.907	0.000616	<0.002	<0.002	92.4	<0.002	321	8.05	0.00058
	5/23/2016	0.000824(J)	0.915	0.00215(B)	<0.002	<0.002	19.1	<0.002	220(B)	26.8	0.000893(BJ)
	8/29/2016	<0.002	0.898	0.00205(B)	<0.002	<0.002	20.9	<0.002	202	1.16(B)	0.00036(J)
	12/1/2016	<0.002	0.847	0.00105(BJ)	<0.002	<0.002	17.7	<0.002	190(B)	2.09	<0.005
	3/2/2017	<0.002	0.731	0.000691(J)	<0.002	<0.002	19.1	<0.002	216	2.9	0.000216(J)
	5/23/2017	<0.002	0.883	0.00123(J)	<0.002	<0.002	16.6	<0.002	243	1.38	0.00021(BJ)
	8/18/2017	<0.002	1.02	0.00102(J)	<0.002	<0.002	32.7	<0.002	279	1.96	<0.005
	11/16/2017	0.00058(J)	1.18	0.0043	0.000734(J)	<0.002	14.1	0.000411(J)	254	6.73	0.000617(J)
	6/13/2018	0.00245(B)	0.989	0.00184(J)	<0.002	<0.002	22.1	<0.002	229	1.33(B)	0.000238(BJ)
	9/13/2018	0.000299(J)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/19/2018	<0.002	1.14	0.00262	<0.002	<0.002	19.3	<0.002	229	1.75	0.000687(J)
	6/19/2019	<0.002	1.01	0.00231	<0.002	<0.002	23.4	<0.002	226	1.66(B)	<0.005
	12/3/2019	0.000245(J)	1.12	0.00259	<0.002	<0.002	19.3	<0.002	232	1.97(B)	0.000292(BJ)
	6/4/2020	<0.005	1.03	0.00207	<0.002	<0.002	26.9	<0.002	227	1.68(B)	<0.005
	12/10/2020	<0.002	1.26	0.00327	<0.002	<0.002	20.6	<0.002	264(B)	1.65(B)	<0.005
MW-16	downgradient										
	11/5/2015	<0.002	1.1	0.000709	<0.002	<0.002	67	<0.002	373	3.92	0.000466
	8/29/2016	<0.002	0.983	0.00207(B)	<0.002	<0.002	30	<0.002	291	1.58(B)	0.000317(J)
	12/5/2016	<0.002	1.01	0.00287	<0.002	<0.002	30.7	<0.002	1210	2.52	<0.005
	3/2/2017	0.000322(J)	1.08	0.0012(J)	<0.002	<0.002	37.6	<0.002	321	1.78	0.000327(J)
	5/23/2017	<0.002	0.993	0.002	<0.002	<0.002	31.5	<0.002	296	1.48	0.000187(BJ)
	8/18/2017	<0.002	0.817	0.000608(J)	<0.002	<0.002	20	<0.002	171	2.06	0.000189(J)
	11/16/2017	<0.002	1.19	0.00158(J)	<0.002	<0.002	41.8	<0.002	335	2.07	<0.005
	3/14/2018	<0.002	1.05	0.00104(J)	<0.002	<0.002	34.6	<0.002	311	1.76	<0.005
	6/12/2018	<0.002(B)	1.03	0.00127(J)	<0.002	<0.002	29.5	<0.002	293	2.1(B)	<0.005
	12/20/2018	<0.002	1.17	0.00139(J)	<0.002	<0.002	38.1	<0.002	302	1.78	0.00053(J)

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MW-16 (cont.)	6/18/2019	<0.002	1.17	0.00294	<0.002	<0.002	35.8	<0.002	325	1.91(B)	<0.005
	12/4/2019	<0.002	1.36	0.00273	<0.002	<0.002	48.2	<0.002	365	2.18(B)	0.00025(BJ)
	3/12/2020	n/a	1.25	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/4/2020	<0.005	0.921	0.0017(J)	<0.002	<0.002	35.4	<0.002	324	2.05(B)	<0.005
	12/10/2020	<0.002	1.35	0.00225	<0.002	<0.002	37.5	<0.002	323(B)	1.4(B)	<0.005
MW-17	<i>upgradient</i>										
	4/2/2013	0.00043(J)	1.6	0.0021	<0.001	<0.001	28	<0.001	280	1.4	<0.002
	6/12/2013	0.00027(J)	0.028	0.0011	<0.001	<0.001	30	<0.001	310	0.87(J)	0.00021(J)
	9/26/2013	<0.001	1	0.0016	<0.001	<0.001	39(B)	<0.001	240	0.99(J)	<0.002
	12/12/2013	<0.005	1.6	0.00061(J)	<0.001	<0.005	32	<0.005	260	1.4	<0.01
	3/19/2014	0.00026(J)	1.5	0.0015	<0.001	<0.001	31	<0.001	270	1.7	<0.002
	6/25/2014	<0.001	1.6	<0.001	<0.001	<0.001	29	<0.001	300	1.4	<0.002
	9/18/2014	0.00025(J)	1.4(B)	0.0022	0.0011	<0.001	26	0.00023(J)	260	1.2	0.0018(J)
	12/16/2014	0.0014(J)	1.5	0.0032	<0.002	0.00031(J)	30	<0.002	270	1.2	<0.005
	3/25/2015	<0.002	0.78	<0.002	<0.002	<0.002	33	<0.002	250	1	<0.005
	9/23/2015	0.000793	0.654	0.00124	0.000469	<0.002	34.4	<0.002	243	1.05	0.000296
	2/18/2016	<0.002	1.13	0.00143(J)	<0.002	<0.002	23.9	<0.002	284	1.6	0.000245(J)
	8/26/2016	<0.002	1.2	0.000929(BJ)	<0.002	<0.002	23.9	<0.002	250	1.43	<0.005
	5/18/2017	<0.002	1.11	0.00103(BJ)	<0.002	<0.002	29.7	<0.002	291	1.15	0.000181(J)
	11/14/2017	<0.002	1.5	0.0004(J)	<0.002	<0.002	27	<0.002	258	1.35	<0.005
	6/11/2018	<0.002(B)	1.19	0.00121(J)	<0.002	<0.002	24.1	<0.002	269	1.56(B)	<0.005
	12/17/2018	<0.002	1.38	<0.002	<0.002	<0.002	23.7	<0.002	257	1.51	0.000572(J)
	6/17/2019	<0.002	1.19	0.00185(J)	<0.002	<0.002	21.5	<0.002	258	2.67(B)	<0.005
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.61(B)	n/a
	12/4/2019	<0.002	1.46	0.000971(J)	<0.002	<0.002	25.1	<0.002	258	1.23(B)	0.000231(BJ)
	6/3/2020	<0.005	1.14	0.00154(J)	<0.002	<0.002	23.5	<0.002	250	1.8	<0.005
	12/9/2020	<0.002	1.57	0.000998(J)	<0.002	<0.002	23.5	<0.002	248(B)	1.41(B)	<0.005

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Historical Database, Mississippi County Class 1 Landfill

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MW-18	upgradient										
	4/3/2013	<0.001	1.4	0.0016	0.00053(J)	<0.001	84	<0.001	450	1.7	0.00022(J)
	6/12/2013	<0.001	1.4	0.0011	<0.001	<0.001	80	<0.001	450	1.7	<0.002
	9/25/2013	<0.001	0.91	0.0028	<0.001	<0.001	90(B)	<0.001	470	1.8	<0.002
	12/12/2013	<0.005	1.1	0.0016	<0.001	<0.005	89	<0.005	440	1.7	<0.01
	3/19/2014	<0.001	0.48	0.0042	0.0052	<0.001	100	<0.001	520	1.2	<0.002
	6/25/2014	<0.001	0.76	0.003	0.0078	<0.001	120	<0.001	670	1.3	<0.002
	9/18/2014	<0.001	0.93(B)	0.003	<0.001	<0.001	83	0.00021(J)	500	1.7	<0.002
	12/17/2014	0.0016(J)	1.2	0.0045	<0.002	<0.002	81	<0.002	430	1.4	<0.005
	9/24/2015	0.000453	1.05	0.000783	0.000391	<0.002	83.1	<0.002	526	1.48	0.000286
	8/29/2016	0.000247(BJ)	1.04	0.00139(BJ)	<0.002	<0.002	71	<0.002	430	1.59(B)	0.000283(J)
	5/22/2017	<0.002	1.16	<0.002	<0.002	<0.002	70.7	<0.002	411	1.51	<0.005
	11/16/2017	<0.002	1.02	0.000694(J)	0.00161(J)	<0.002	86.2	<0.002	450	1.69	<0.005
	6/12/2018	<0.002(B)	0.568	0.00136(J)	0.00259	<0.002	101	<0.002	524	1.25(B)	0.000195(J)
	12/20/2018	<0.002	0.314	0.00126(J)	0.00784	<0.002	83	<0.002	461	1.93	0.000733(J)
	3/13/2019	n/a	n/a	n/a	<0.002	n/a	n/a	n/a	n/a	n/a	n/a
	6/18/2019	<0.002	1.04	0.00151(J)	<0.002	<0.002	86.3	<0.002	459	1.52(B)	0.00023(J)
	12/3/2019	<0.002	0.582	0.00172(J)	0.022(O)	<0.002	91.4	<0.002	504	1.44(B)	0.00042(BJ)
	3/10/2020	n/a	n/a	n/a	0.000809(J)	n/a	n/a	n/a	n/a	n/a	n/a
	6/4/2020	<0.005	0.936	0.00148(J)	<0.002	<0.002	94.3	<0.002	491	1.41(B)	<0.005
	12/10/2020	<0.002	1.3	0.00145(J)	<0.002	<0.002	91.7	<0.002	456(B)	1.31(B)	<0.005
MW-19	upgradient										
	4/2/2013	0.00031(J)	2	0.0018	<0.001	<0.001	38	<0.001	330	1.2	<0.002
	6/12/2013	<0.001	1.7	0.0017	0.0019	<0.001	42	<0.001	370	1.2	<0.002
	9/25/2013	<0.001	1.9	0.0011	<0.001	<0.001	39(B)	<0.001	330	1.5	<0.002
	12/11/2013	<0.005	1.9	0.00088(J)	0.00071(J)	<0.005	42	<0.005	330	1.4	<0.01
	3/19/2014	<0.001	0.93	0.002	<0.001	<0.001	40	<0.001	320	1.1	<0.002
	6/25/2014	<0.001	1.9	0.0004(J)	<0.001	<0.001	40	<0.001	390	1.2	<0.002
	9/18/2014	<0.001	1.7(B)	0.002	<0.001	<0.001	39	<0.001	310	1.2	<0.002
	12/16/2014	0.0011(J)	1.7	0.003	<0.002	0.00048(J)	37	<0.002	330	1	<0.005

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Historical Database, Mississippi County Class 1 Landfill

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MW-19 (cont.)	3/25/2015	<0.002	0.29	<0.002	<0.002	<0.002	38	<0.002	320	1.5	<0.005
	9/24/2015	0.000846	1.72	<0.002	<0.002	<0.002	35.1	<0.002	313	1.07	0.000245
	2/17/2016	0.000282(J)	1.45	0.00203	<0.002	<0.002	35.2	<0.002	308	1.15	0.000219(J)
	8/25/2016	<0.002	1.5	0.000773(BJ)	<0.002	<0.002	34.6	<0.002	311	0.892(J)	<0.005
	5/18/2017	<0.002	1.63	<0.002	<0.002	<0.002	33	<0.002	294	1.36	0.000735(J)
	11/14/2017	<0.002	1.61	<0.002	<0.002	<0.002	30.7	<0.002	246	1.2	0.000283(J)
	6/11/2018	<0.002(B)	1.8	<0.002	<0.002	<0.002	31.2	<0.002	306	0.94(BJ)	<0.005
	12/17/2018	<0.002	1.28	0.000478(J)	<0.002	<0.002	21.2	<0.002	265	1.57	0.000723(J)
	6/17/2019	<0.002	1.39	0.000679(J)	<0.002	<0.002	23.8	<0.002	280	1.27(B)	0.000208(J)
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<0.002	1.11	0.000806(J)	<0.002	<0.002	19.9	<0.002	237	1.61(B)	0.000426(BJ)
	6/3/2020	<0.005	1.32	0.00216	<0.002	<0.002	18.1	<0.002	200	1.41(B)	<0.005
	12/9/2020	<0.002	1.24	0.000976(J)	<0.002	<0.002	23.3	<0.002	239(B)	1.35(B)	<0.005
MW-20	<i>upgradient</i>										
	4/3/2013	0.0009(J)	0.025	0.0032	0.007	<0.001	24	<0.001	270	2.9	0.0039
	6/12/2013	<0.001	0.36	0.003	<0.001	<0.001	29	<0.001	330	2.1	0.00047(J)
	9/26/2013	<0.001	0.9	0.0063	0.00059(J)	<0.001	14(B)	<0.001	400	7.6	0.0012(J)
	12/12/2013	0.0023(J)	0.25	0.0037	0.00068(J)	<0.005	20	<0.005	250	4.6	<0.01
	3/19/2014	0.00028(J)	0.36	0.0034	<0.001	<0.001	16	<0.001	260	3.8	<0.002
	6/25/2014	0.0004(J)	0.26	0.0017	0.001(J)	<0.001	15	<0.001	300	3.4	0.0018(J)
	9/18/2014	0.00047(J)	0.9(B)	0.006	0.00066(J)	<0.001	4.5(J)	<0.001	240	8	0.0013(J)
	12/16/2014	0.0018(J)	0.14	0.005	<0.002	<0.002	17(J)	<0.002	240	4.1	0.0012(J)
	9/24/2015	0.000753	0.444	0.00318	0.00056	<0.002	11.6	<0.002	318	5.63	0.00172
	2/18/2016	0.00045(J)	0.0999	0.00203	0.00131(J)	<0.002	17.9	<0.002	283	2.33	0.00145(J)
	8/29/2016	0.000436(BJ)	0.0673	0.00347(B)	<0.002	<0.002	9.71	<0.002	228	3.8(B)	0.00324(J)
	5/22/2017	0.000848(BJ)	0.0759	0.00197(J)	0.00162(J)	<0.002	18.5	<0.002	281	1.72	0.00338(BJ)
	11/16/2017	0.000588(J)	0.0369	0.00227	<0.002	<0.002	20.1	<0.002	178	5.75	0.00213(J)
	6/12/2018	0.00114(BJ)	0.053	0.00192(J)	0.00117(J)	<0.002	15.4	<0.002	296	2.76(B)	0.00341(J)

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MW-21	<i>upgradient</i>										
	11/5/2015	<0.002	1.93	<0.002	<0.002	<0.002	58.3	<0.002	351	4.3	0.000593
	2/11/2016	<0.002	1.78	<0.002	<0.002	<0.002	29.2	<0.002	292	1.1	0.000271(J)
	5/18/2016	0.00201	1.84	<0.002	<0.002	0.000605(J)	35.8	<0.002	337	2.12	0.000568(BJ)
	8/25/2016	<0.002	1.58	0.000813(BJ)	<0.002	0.00106(J)	28.5	<0.002	293	0.848(J)	<0.005
	11/30/2016	<0.002	1.73	<0.002	<0.002	<0.002	25.4	<0.002	311(B)	1.99	<0.005
	3/1/2017	0.00034(J)	0.908	<0.002	<0.002	<0.002	26.2	<0.002	313	1.52	0.000247(J)
	5/18/2017	<0.002	1.76	<0.002	<0.002	<0.002	24.7	<0.002	308	1.2	0.000225(J)
	8/17/2017	<0.002	1.81	<0.002	<0.002	<0.002	23.2	<0.002	325	1.55	0.000214(J)
	11/14/2017	<0.002	1.8	<0.002	<0.002	<0.002	22.4	<0.002	315	1.46	<0.005
	6/11/2018	<0.002(B)	1.75	<0.002	<0.002	<0.002	28.3	<0.002	326	1.11(B)	<0.005
	12/17/2018	<0.002	0.918	<0.002	<0.002	<0.002	17.2	<0.002	278	1.49	0.000301(J)
	6/18/2019	<0.002	1.72	<0.002	<0.002	<0.002	23.1	<0.002	294	1.24(B)	<0.005
	12/4/2019	<0.002	1.25	<0.002	<0.002	<0.002	18.7	<0.002	286	1.2(B)	0.000232(BJ)
	6/3/2020	<0.005	1.48	<0.002	<0.002	<0.002	18.5	<0.002	265	1.39(B)	<0.005
	12/9/2020	<0.002	1.8	<0.002	<0.002	<0.002	20	<0.002	284(B)	1.05(B)	<0.005
MW-22	<i>upgradient</i>										
	11/4/2015	<0.002	1.51	0.000475	<0.002	<0.002	41.3	<0.002	260	3.64	0.000477
	2/11/2016	0.000358(J)	2.49	0.000717(BJ)	<0.002	<0.002	26.3	<0.002	313	1.36	<0.005
	5/18/2016	0.00027(J)	2.08	0.000824(J)	<0.002	0.000864(J)	29.9	<0.002	312	1.92	0.000273(BJ)
	8/25/2016	<0.002	1.85	0.000735(BJ)	<0.002	<0.002	29.5	<0.002	313	1.05	<0.005
	11/30/2016	<0.002	1.45	<0.002	<0.002	<0.002	25.7	<0.002	226(B)	2.68	<0.005
	3/1/2017	<0.002	1.4	0.00513	<0.002	<0.002	27.5	<0.002	228	2.05	0.000398(J)
	5/17/2017	<0.002	2.18	<0.002	<0.002	<0.002	29.3	<0.002	303	1.82	0.000263(J)
	8/16/2017	<0.002	1.49	<0.002	<0.002	<0.002	19.9	<0.002	233	2.51	0.000266(J)
	11/13/2017	0.000244(J)	1.46	<0.002	<0.002	<0.002	17.6	<0.002	184	2.11	0.000239(J)
	6/11/2018	0.000543(BJ)	1.65	0.000806(J)	<0.002	<0.002	18.2	<0.002	239	1.92(B)	0.000215(J)
	12/11/2018	0.000598(J)	2.19	<0.002	<0.002	<0.002	21.1	<0.002	271	1.44	0.000268(J)
	6/17/2019	<0.002	2.04	<0.002	<0.002	<0.002	29.1	<0.002	288	1.39(B)	<0.005

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MW-22 (cont.)	12/4/2019	<0.002	2.12	<0.002	<0.002	<0.002	22.9	<0.002	289	1.19(B)	0.00028(BJ)
	6/3/2020	<0.005	2.4	<0.002	<0.002	<0.002	24	<0.002	296	1.17(B)	<0.005
	12/9/2020	<0.002	2.39	<0.002	<0.002	<0.002	22.9	<0.002	273(B)	1.02(B)	<0.005
MW-23	<i>upgradient</i>										
	11/4/2015	<0.002	1.53	0.000511	<0.002	<0.002	30.2	<0.002	273	3.1	0.000475
	2/11/2016	<0.002	1.43	0.00204(B)	<0.002	<0.002	34.4	<0.002	330	1.83	0.000213(J)
	5/18/2016	<0.002	1.41	0.00283	<0.002	0.000633(J)	31.3	<0.002	380	3.06	0.000303(BJ)
	8/25/2016	<0.002	1.27	0.00153(BJ)	<0.002	<0.002	27.2	<0.002	278	2.74	<0.005
	11/30/2016	<0.002	1.35	0.00122(BJ)	<0.002	<0.002	23.8	<0.002	278(B)	3.49	<0.005
	3/1/2017	<0.002	1.53	0.00107(J)	<0.002	<0.002	27.4	<0.002	305	2.78	0.000262(J)
	5/17/2017	<0.002	1.62	0.00113(BJ)	<0.002	<0.002	28.9	<0.002	329	2.5	0.000264(J)
	8/16/2017	<0.002	1.33	0.000764(J)	<0.002	<0.002	23.6	<0.002	287	3.3	0.000226(J)
	11/13/2017	<0.002	1.39	0.000859(J)	<0.002	<0.002	22.8	<0.002	283	3.04	0.000244(J)
	6/11/2018	<0.002(B)	1.52	0.00162(J)	<0.002	<0.002	25.2	<0.002	336	2.1(B)	0.000234(J)
	12/11/2018	0.000622(J)	1.39	0.00198(J)	<0.002	<0.002	19.3	<0.002	405	2.71	0.000906(J)
	6/17/2019	0.000407(J)	1.75	0.00289	<0.002	<0.002	16.8	<0.002	385	2.64(B)	0.000181(J)
	9/23/2019	n/a	1.51	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	0.000436(J)	1.63	0.00136(J)	0.00102(J)	<0.002	22.4	0.000501(J)	307	2.23(B)	0.00071(BJ)
	6/3/2020	<0.005	1.48	0.00232	<0.002	<0.002	20.3	<0.002	314	2.22	<0.005
	12/9/2020	<0.002	1.5	0.00206	<0.002	<0.002	25.6	<0.002	286(B)	1.83(B)	<0.005
MW-24	<i>upgradient</i>										
	11/5/2015	<0.002	1.59	0.000688	<0.002	<0.002	76	<0.002	364	5.22	0.000454
	2/10/2016	<0.002	1.3	0.00116(BJ)	<0.002	<0.002	26.8	<0.002	285	1.71	0.000205(J)
	5/19/2016	<0.002	1.36	0.00107(J)	<0.002	<0.002	31.6	<0.002	<10(O)	2.34	0.000323(BJ)
	8/28/2016	<0.002	1.31	0.0025(B)	<0.002	<0.002	29.1	<0.002	295(B)	1.38(B)	0.00032(J)
	11/30/2016	<0.002	1.25	0.00106(BJ)	<0.002	<0.002	29.5	<0.002	285(B)	2.13	<0.005
	3/2/2017	<0.002	1.3	0.00117(J)	<0.002	<0.002	28.1	<0.002	288	1.34	0.000327(J)
	5/18/2017	<0.002	1.45	0.000946(BJ)	<0.002	<0.002	28.8	<0.002	238	2.11	0.000224(J)
	8/17/2017	<0.002	1.34	0.00111(J)	<0.002	<0.002	31.8	<0.002	302	1.99	0.000197(J)
	11/14/2017	<0.002	1.22	0.00133(J)	<0.002	<0.002	26	<0.002	346	1.83	<0.005

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Sample ID	Date Sampled	Lead (mg/L)	Manganese (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sulfate (mg/L)	Thallium (mg/L)	TDS (mg/L)	TOC (mg/L)	Vanadium (mg/L)
MW-24 (cont.)	6/12/2018	<0.002(B)	1.48	0.00109(J)	<0.002	<0.002	37	<0.002	298	1.86(B)	0.000183(J)
	12/17/2018	<0.002	1.42	0.00115(J)	<0.002	<0.002	31.4	<0.002	292	1.61	0.000347(J)
	6/19/2019	<0.002	1.88	0.00153(J)	<0.002	<0.002	35.4	<0.002	304	1.59(B)	<0.005
	9/24/2019	n/a	1.38	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	0.000435(J)	1.45	0.0016(J)	<0.002	<0.002	35.8	<0.002	315	1.52(B)	0.000257(BJ)
	6/10/2020	<0.005	1.64	0.00181(J)	0.0013(J)	<0.002	44.9	<0.002	298	1.4(B)	<0.005
	9/14/2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/10/2020	<0.002	1.68	0.00198(J)	<0.002	<0.002	32.2	<0.002	312(B)	1.38(B)	<0.005
	3/9/2021	n/a	1.63	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LEACHATE#1 downgradient											
	4/14/2010	0.001	2.2	0.22	0.025	0.00071(J)	1.2(J)	<0.00019	6800(B)	980	0.042
	10/12/2010	0.0014	2	0.18	0.013	0.00046(J)	<5	<0.001	5800(B)	790	0.038
	4/13/2011	0.00086(J)	1.8	0.17	0.026	<0.001	0.64(J)	<0.001	5600	630	0.035
	12/6/2011	0.0012	1.6	0.21	0.026	0.0019	<5	<0.001	5800	710	0.043
	5/8/2012	<0.001	0.93	0.23	0.025	0.00064(J)	0.67(J)	<0.001	6400	470	0.049
	10/8/2012	<0.001	0.7	0.26	0.018	<0.005	7.2	<0.001	6600	430	0.051
	3/20/2013	0.00066(J)	1.2	0.21	0.015	0.00038(J)	0.3(J)	<0.001	5900	810	0.037
	9/26/2013	<0.001	1	0.12	0.0089	<0.001	<5(B)	<0.001	6800	840	0.026
	3/19/2014	0.002	1.2	0.17	0.014	<0.001	<5	<0.001	3000	850	0.031
	9/17/2014	<0.01	0.54(B)	0.34	<0.01	0.018	<5	<0.01	6900	1100	0.13
	3/25/2015	0.00035(J)	0.046	0.036	0.0005(J)	<0.002	<5	<0.002	670	93	0.032
	9/24/2015	0.00199	0.0563	0.0557	<0.002	<0.002	0.279	<0.002	8960	1350	0.01
	2/19/2016	0.00271(J)	1.02	0.338	<0.018	<0.018	0.0956(J)	<0.018	5260	474	0.0667
	8/29/2016	<0.018	0.808	0.382	<0.018	<0.018	<5	<0.018	5960	1200	0.0681
	3/6/2017	0.00597	1.62	0.218	0.00185(J)	<0.002	1.39(J)	<0.002	5480	942	0.0889
	9/1/2017	0.000404(J)	0.757	0.132	0.00112(J)	<0.002	8.09	<0.002	4690	268	0.0101
	6/13/2018	0.00245(B)	0.802	0.122	0.00099(J)	<0.002	4.45(J)	<0.002	4680	213	0.01
	12/20/2018	0.000756(J)	0.955	0.262	0.00254	<0.002	5.43	<0.002	5400	372	0.0384
	6/20/2019	0.000521(J)	0.71	0.215	0.00165(J)	<0.002	0.856(J)	<0.002	5980	389	0.0285

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Sample ID	Date Sampled	Lead (mg/L)	Manganese (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sulfate (mg/L)	Thallium (mg/L)	TDS (mg/L)	TOC (mg/L)	Vanadium (mg/L)
LEACHATE#1 (cont.)	12/5/2019	0.0005(BJ)	0.747	0.131	0.00118(BJ)	<0.002	1.56(BJ)	<0.002	4170	208	0.0126
	6/10/2020	0.00623	0.723	0.341	0.00191(J)	<0.002	1.25(J)	<0.002	5320	492	0.0831
	12/11/2020	<0.002	0.681	0.225	0.00149(J)	<0.002	0.978(J)	<0.002	5520	317	0.0331
LEACHATE#2	<i>downgradient</i>										
	6/13/2018	0.00322(B)	4.19	0.0183	0.000468(J)	<0.002	<5	<0.002	774	29.8	0.00156(BJ)
	12/20/2018	<0.002	8.1	0.0407	0.000679(J)	<0.002	0.585(J)	<0.002	1590	75.3	0.0019(J)
	6/20/2019	0.000255(J)	9.88	0.0941	0.00142(J)	<0.002	1.33(J)	<0.002	3650	168	0.0036(J)
	12/5/2019	0.000617(BJ)	7.15	0.0989	0.00146(BJ)	<0.002	1.88(BJ)	<0.002	3150	151	0.00387(J)
	6/10/2020	0.00306(J)	2.26	0.0951	0.00275	<0.002	4.36(J)	<0.002	3060	159	0.0616
	12/11/2020	<0.002	5.84	0.103	0.00147(J)	<0.002	0.713(J)	<0.002	3370(B)	158	0.00513

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro- methane (µg/L)	Bromodichloro- methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-1	downgradient															
	10/27/1993	0.393	6.8	n/a	n/a	n/a	<42	<5.22	<1.96	<1.6	<1.89	<1.51	<2.58	<0.00297	<0.00142	<2.16
	3/15/1994	0.164	6.7	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	6/14/1994	0.031	6.9	n/a	n/a	n/a	<19.1	<3.24	1.58	<0.25	0.64	<1.01	<0.81	0.0187	0.00178	<0.4
	9/15/1994	0.022	6.4	n/a	n/a	n/a	<19.1	<3.24	0.4	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	0.54
	12/22/1994	0.016	6.5	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	6/2/1995	0.344	6.8	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	12/14/1995	0.226	6.8	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	0.85
	6/13/1996	<0.002	6.3	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.96	<0.01	<0.00084	<0.16
	11/26/1996	0.041	7.1	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.44	<0.01	<0.00084	<0.16
	4/23/1997	0.22	6.6	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.44	<0.01	<0.00084	<0.16
	10/8/1997	0.004	6.3	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.44	<0.01	<0.00084	<0.16
	4/13/1998	<0.002	6.2	n/a	n/a	n/a	<5	<2	<0.04	<0.04	<0.07	<0.06	<0.09	<0.0002	<0.0002	<0.04
	11/5/1998	0.0044	6	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/1/1999	<0.002	6.3	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/22/1999	0.0032	5.7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	5/10/2000	0.0042	6.9	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/12/2000	<0.002	6.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/26/2001	0.0025	6.7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	1.4	<0.5	<0.001	<0.0005	<0.1
	10/26/2001	0.0073	6.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/10/2002	0.0048	7.4	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	11/6/2002	<0.002	6.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/18/2003	<0.002	6.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	0.0032	<0.0005	<0.1
	11/5/2003	0.0081	6.9	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/29/2004	0.0038	6.7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/20/2004	<0.002	6.4	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/27/2005	0.019	7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/4/2005	0.0047	6.4	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/26/2006	0.009	7	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	10/3/2006	0.012	6.9	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45

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Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro- methane (µg/L)	Bromodichloro- methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-1 (cont.)	4/11/2007	0.021	6.7	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	10/4/2007	0.15	7.7	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/21/2008	<0.01	7	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	10/9/2008	0.019	6.8	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	6/11/2009	0.03	6.6	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	11/12/2009	0.021	6.6	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	4/13/2010	0.017	6.5	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	10/11/2010	0.012(B)	6.6	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	4/12/2011	0.0051(J)	6.5	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/6/2011	<0.01	6.7	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/7/2012	0.0036(J)	6.7	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	10/8/2012	<0.01	6.5	n/a	n/a	7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/19/2013	<0.01	7	n/a	n/a	6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/24/2013	<0.01	6.9	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/18/2014	<0.01	6.9	n/a	n/a	9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/16/2014	0.003(J)	6.6	n/a	n/a	9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/24/2015	<0.025	6.4	n/a	n/a	6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/24/2015	<0.025	6.7	n/a	n/a	7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	2/9/2016	<0.025	6.7	n/a	n/a	9.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/23/2016	n/a	6.7	n/a	n/a	8.9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/25/2016	<0.025	6.8	n/a	n/a	1.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/1/2016	n/a	6.8	n/a	n/a	1.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/6/2017	<0.025	6.5	n/a	n/a	5.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/24/2017	<0.025	7.1	n/a	n/a	4.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/1/2017	0.0205(J)	6.8	n/a	n/a	0.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	11/17/2017	<0.025	6.7	n/a	n/a	1.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/14/2018	0.0032(J)	6.7	n/a	n/a	5.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/14/2018	0.00318(J)	6.7	n/a	n/a	1.5	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	9/13/2018	<0.025	6.6	n/a	n/a	5.5	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/13/2018	<0.025	6.8	n/a	n/a	1.9	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1

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MW-1 (cont.)	3/18/2019	<0.025	6.9	n/a	n/a	1.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/14/2019	<0.025	6.7	n/a	n/a	1.91	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/24/2019	<0.025	6.8	n/a	n/a	6.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/3/2019	0.00285(BJ)	6.8	n/a	n/a	3.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/13/2020	<0.025	6.6	n/a	n/a	3.05	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/3/2020	<0.025	6.6	n/a	n/a	4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/15/2020	<0.025	6.9	905	20.4	1.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/8/2020	0.0038(J)	6.7	662	18.6	2.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/11/2021	0.00988(BJ)	6.9	819	18.4	4.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-2	<i>upgradient</i>															
	10/27/1993	0.035	6.9	n/a	n/a	n/a	<42	<5.22	<1.96	<1.6	<1.89	<1.51	<2.58	<0.00297	<0.00142	<2.16
	3/15/1994	0.038	6.9	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	6/14/1994	0.076	7	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	9/15/1994	0.04	6.8	n/a	n/a	n/a	<19.1	<3.24	0.37	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	0.44
	12/22/1994	0.033	n/a	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	6/2/1995	0.132	6.9	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	12/14/1995	0.037	6.8	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	0.6
	6/13/1996	0.012	n/a	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.96	<0.01	<0.00084	<0.16
	11/26/1996	<0.002	8.2	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.44	<0.01	<0.00084	<0.16
	4/23/1997	0.19	7.3	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.44	0.018	<0.00084	<0.16
	10/8/1997	<0.002	7.4	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.44	0.011	<0.00084	<0.16
	4/13/1998	<0.002	6.1	n/a	n/a	n/a	<5	<2	<0.04	<0.04	<0.07	<0.06	<0.09	<0.0002	<0.0002	<0.04
	11/5/1998	0.0041	6.1	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/1/1999	<0.002	6.4	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/22/1999	0.0033	5.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	0.11	<0.1	<0.5	<0.001	<0.0005	<0.1
	5/10/2000	<0.002	6.9	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/12/2000	<0.002	7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/26/2001	0.0054	6.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/26/2001	0.0062	7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/10/2002	0.01	7.3	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

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Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro- methane (µg/L)	Bromodichloro- methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-2 (cont.)	11/6/2002	<0.002	6.9	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/18/2003	<0.002	7.1	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	0.0032	<0.0005	<0.1
	11/5/2003	0.0081	7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/29/2004	0.076	6.9	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/20/2004	0.0034	6.5	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/27/2005	0.0047	6	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/4/2005	0.0032	6.5	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/26/2006	0.0083	7.3	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	10/3/2006	0.044	7.2	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/11/2007	0.021	6.8	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	10/4/2007	0.012	7.6	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/21/2008	<0.01	7.1	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	10/9/2008	0.017	6.9	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	6/11/2009	0.099	6.6	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	11/12/2009	0.028	6.5	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	4/13/2010	0.015	6.8	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	0.0011	<0.00031	<0.26
	10/11/2010	0.014(B)	6.7	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	4/12/2011	<0.01	6.7	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/6/2011	<0.01	6.8	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/7/2012	0.0028(J)	6.8	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	10/8/2012	0.0035(J)	6.4	n/a	n/a	7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/19/2013	<0.01	6.9	n/a	n/a	4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/24/2013	0.0032(J)	6.7	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/18/2014	0.0026(J)	6.9	n/a	n/a	9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/16/2014	0.0043(J)	6.6	n/a	n/a	7.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/24/2015	0.0048(J)	6.6	n/a	n/a	1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/23/2015	<0.025	6.8	n/a	n/a	8.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	2/9/2016	<0.025	6.7	n/a	n/a	8.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/24/2016	<0.025	6.8	n/a	n/a	6.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/1/2016	n/a	6.4	n/a	n/a	1.2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

B: analyte was detected in associated blank sample.

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Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro-methane (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-2 (cont.)	3/3/2017	<0.025	7.4	n/a	n/a	2.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/23/2017	<0.025	6.7	n/a	n/a	2.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/31/2017	<0.025	6.7	n/a	n/a	1.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	11/17/2017	<0.025	6.7	n/a	n/a	6.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/12/2018	<0.025	6.8	n/a	n/a	5.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/13/2018	<0.025	6.9	n/a	n/a	3.1	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	9/12/2018	<0.025	6.7	n/a	n/a	8.3	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/12/2018	<0.025	7	n/a	n/a	4.65	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	3/12/2019	<0.025	6.6	n/a	n/a	6.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/12/2019	<0.025	6.9	n/a	n/a	2.63	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/24/2019	<0.025	6.9	n/a	n/a	6.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/3/2019	<0.025	6.9	n/a	n/a	2.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/12/2020	<0.025	6.9	n/a	n/a	1.48	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/2/2020	<0.025	6.7	n/a	n/a	4.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/14/2020	<0.025	6.7	785	21.2	3.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/8/2020	0.00451(J)	6.8	767	18.4	1.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/11/2021	0.00508(BJ)	7.1	784	18.3	2.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-3	<i>downgradient</i>															
	10/27/1993	0.032	6.8	n/a	n/a	n/a	<42	<5.22	<1.96	<1.6	<1.89	<1.51	<2.58	<0.00297	<0.00142	<2.16
	3/15/1994	0.056	6.8	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	6/14/1994	0.038	7	n/a	n/a	n/a	<19.1	<3.24	0.59	<0.25	0.3	<1.01	<0.81	0.0142	<0.0009	<0.4
	9/15/1994	0.054	6.6	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	12/22/1994	0.036	n/a	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	6/2/1995	0.181	6.9	n/a	n/a	n/a	<19.1	<3.24	0.46	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	12/14/1995	0.04	6.9	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	0.41
	6/13/1996	0.009	n/a	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.96	<0.01	<0.00084	<0.16
	11/26/1996	0.031	7.4	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.44	<0.01	<0.00084	<0.16
	4/23/1997	0.15	7.2	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.44	0.019	<0.00084	<0.16
	10/8/1997	0.003	6.6	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.44	<0.01	<0.00084	<0.16
	4/13/1998	<0.002	6.5	n/a	n/a	n/a	<5	<2	<0.04	<0.04	<0.07	<0.06	<0.09	<0.0002	<0.0002	<0.04

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MW-3 (cont.)	11/5/1998	0.0055	6.1	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/1/1999	<0.002	6.3	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/22/1999	0.0031	6	n/a	n/a	n/a	<5	<2	<0.1	<0.1	0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	5/10/2000	<0.002	7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/12/2000	<0.002	6.9	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/26/2001	0.0041	6.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/26/2001	0.006	6.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	0.11	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/10/2002	<0.002	7.1	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	11/6/2002	<0.002	6.9	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/18/2003	<0.002	7.1	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	11/5/2003	0.007	7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/29/2004	0.0085	6.9	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/20/2004	0.0022	6.2	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/27/2005	0.0086	6.9	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/4/2005	0.006	6.4	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/26/2006	0.0075	7.3	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	10/3/2006	0.019	7.1	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/11/2007	0.024	6.8	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	10/4/2007	0.013	7.7	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/21/2008	0.013	7.1	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	10/9/2008	0.023	6.9	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	6/11/2009	0.15	6.6	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	11/12/2009	0.053	6.6	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	4/13/2010	0.02	6.8	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	10/11/2010	0.02(B)	6.8	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	4/12/2011	<0.01	6.7	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/6/2011	<0.01	6.7	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/7/2012	<0.01	6.8	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	10/8/2012	<0.01	6.1	n/a	n/a	9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/20/2013	<0.01	6.8	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1

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Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro-methane (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-3 (cont.)	9/25/2013	0.011	6.7	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/18/2014	<0.01	6.8	n/a	n/a	4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/16/2014	0.0028(J)	6.6	n/a	n/a	9.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/24/2015	<0.025	6.1	n/a	n/a	9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/21/2015	<0.025	6.7	n/a	n/a	6.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	2/17/2016	<0.025	6.7	n/a	n/a	9.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/23/2016	n/a	6.6	n/a	n/a	8.7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/24/2016	<0.025	7.4	n/a	n/a	5.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/1/2016	n/a	6.7	n/a	n/a	0.7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/6/2017	<0.025	6.4	n/a	n/a	7.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/24/2017	<0.025	7.1	n/a	n/a	1.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/1/2017	<0.025	6.7	n/a	n/a	1.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	11/17/2017	<0.025	6.7	n/a	n/a	1.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/13/2018	<0.025	6.5	n/a	n/a	9.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/13/2018	<0.025	6.7	n/a	n/a	15.1	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	9/13/2018	0.00969(J)	6.4	n/a	n/a	2.7	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/13/2018	<0.025	6.6	n/a	n/a	1.13	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	3/18/2019	<0.025	6.8	n/a	n/a	14.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/13/2019	<0.025	6.8	n/a	n/a	9.81	23.7(J)	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/24/2019	<0.025	6.7	n/a	n/a	1.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/3/2019	0.00314(BJ)	6.5	n/a	n/a	0.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/13/2020	<0.025	6.8	n/a	n/a	16.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/2/2020	<0.025	6.5	n/a	n/a	9.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/15/2020	<0.025	6.7	946	21.9	9.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/8/2020	<0.025	6.5	1143	19.8	2.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/11/2021	0.00721(BJ)	6.6	1108	18.7	9.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-4	downgradient															
	10/27/1993	0.038	7	n/a	n/a	n/a	<42	<5.22	<1.96	<1.6	<1.89	<1.51	<2.58	<0.00297	<0.00142	<2.16
	3/15/1994	0.063	6.8	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	6/14/1994	0.081	6.9	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4

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Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro- methane (µg/L)	Bromodichloro- methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-4 (cont.)	9/15/1994	0.033	6.7	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	0.4
	12/22/1994	0.017	n/a	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	6/2/1995	0.024	6.9	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	12/14/1995	0.026	6.8	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	6/13/1996	0.004	n/a	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.96	<0.01	<0.00084	<0.16
	11/26/1996	<0.002	7.7	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.44	<0.01	<0.00084	<0.16
	4/23/1997	0.13	7.4	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.44	<0.01	<0.00084	<0.16
	10/8/1997	0.002	6.5	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.44	<0.01	<0.00084	<0.16
	4/13/1998	0.002	5.7	n/a	n/a	n/a	<5	<2	<0.04	<0.04	<0.07	<0.06	<0.09	<0.0002	<0.0002	<0.04
	11/5/1998	0.0039	5.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/1/1999	0.0026	6.6	n/a	n/a	n/a	<5	<2	<0.1	<0.1	0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
MW-4R	downgradient															
	10/22/1999	0.0046	6.5	n/a	n/a	n/a	<5	<2	<0.1	<0.1	0.12	<0.1	<0.5	<0.001	<0.0005	<0.1
	5/10/2000	0.0047	7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	0.21	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/12/2000	<0.002	6.9	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/26/2001	0.0031	6.5	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/26/2001	0.0072	6.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/10/2002	0.0081	6.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	11/6/2002	0.003	6.7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/18/2003	<0.002	6.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	11/5/2003	0.0085	6.9	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/29/2004	0.0047	6.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/20/2004	0.0042	6.5	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	0.0012	<0.0005	<0.1
	4/27/2005	0.0092	6.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/4/2005	0.0034	6.6	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/26/2006	0.0095	7.1	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	10/3/2006	0.013	7.5	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/11/2007	0.025	6.6	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro- methane (µg/L)	Bromodichloro- methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-4R	10/4/2007	0.02	7.7	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
(cont.)	4/21/2008	0.013	7.1	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	10/9/2008	0.031	6.9	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
MW-4R2	downgradient															
	6/11/2009	0.11	6.6	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	11/12/2009	0.023	6.6	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	4/14/2010	0.019	6.8	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	0.001	<0.00031	<0.26
	10/12/2010	0.015(B)	6.8	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	4/13/2011	<0.01	6.8	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/6/2011	<0.01	6.7	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/7/2012	<0.01	6.9	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	10/8/2012	0.011	6.3	n/a	n/a	8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/20/2013	<0.01	7.3	n/a	n/a	6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/25/2013	0.0033(J)	6.7	n/a	n/a	2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/18/2014	<0.05	6.9	n/a	n/a	10	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/16/2014	<0.01	6.6	n/a	n/a	9.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/24/2015	<0.025	6.5	n/a	n/a	10	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/23/2015	<0.025	6.7	n/a	n/a	8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	2/9/2016	<0.025	8.5(R)	n/a	n/a	2.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/24/2016	<0.025	6.9	n/a	n/a	9.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/3/2017	0.00449(J)	6.6	n/a	n/a	7.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/23/2017	0.00406(BJ)	6.9	n/a	n/a	6.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/1/2017	<0.025	6.5	n/a	n/a	0.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	11/17/2017	<0.025	6.7	n/a	n/a	7.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/12/2018	<0.025	6.8	n/a	n/a	9.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/13/2018	<0.025	6.9	n/a	n/a	9.4	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	9/12/2018	<0.025	6.6	n/a	n/a	9.7	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/12/2018	<0.025	7	n/a	n/a	6.1	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	3/12/2019	0.00562(J)	6.8	n/a	n/a	18.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/12/2019	<0.025	6.5	n/a	n/a	9.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro-methane (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-4R2 (cont.)	9/24/2019	<0.025	6.8	n/a	n/a	6.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/3/2019	<0.025	6.8	n/a	n/a	4.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/12/2020	<0.025	6.8	n/a	n/a	8.65	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/2/2020	<0.025	6.7	n/a	n/a	7.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/14/2020	<0.025	6.6	575	24	11.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/8/2020	<0.025	6.3	500	18.1	5.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/11/2021	0.00747(BJ)	6.8	531	19.5	9.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-5	downgradient															
	6/14/1994	0.728	7.1	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	0.011	<0.0009	<0.4
	9/15/1994	0.089	6.6	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	0.0424	<0.0009	<0.4
	12/22/1994	0.148	n/a	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	6/2/1995	0.068	6.9	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	12/14/1995	0.03	7	n/a	n/a	n/a	<19.1	<3.24	<0.33	<0.25	<0.22	<1.01	<0.81	<0.00188	<0.0009	<0.4
	6/13/1996	0.009	n/a	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.96	<0.01	<0.00084	<0.16
	11/26/1996	0.004	7	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.44	<0.01	<0.00084	<0.16
	4/23/1997	0.14	7.4	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.44	0.021	<0.00084	<0.16
	10/8/1997	0.006	6.8	n/a	n/a	n/a	<40	<10	<0.16	<0.16	<0.32	<0.48	<0.44	<0.01	<0.00084	<0.16
	4/13/1998	<0.002	6.6	n/a	n/a	n/a	<5	<2	<0.04	<0.04	0.07	<0.06	<0.09	<0.0002	<0.0002	<0.04
	11/5/1998	0.0045	6.1	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/1/1999	0.0021	6.3	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/22/1999	0.0039	6	n/a	n/a	n/a	<5	<2	<0.1	<0.1	0.15	<0.1	<0.5	<0.001	<0.0005	<0.1
	5/10/2000	<0.002	7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	0.16	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/12/2000	<0.002	6.9	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/26/2001	0.021	6.7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/26/2001	0.0093	6.9	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/10/2002	0.007	7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	11/6/2002	0.056	7.1	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/18/2003	<0.002	6.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro- methane (µg/L)	Bromodichloro- methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-5R	downgradient															
	11/5/2003	0.015	7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/29/2004	0.0047	6.9	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/20/2004	0.0027	6.5	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/27/2005	0.01	6.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/4/2005	0.004	6.5	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/26/2006	0.011	7.3	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	10/3/2006	0.013	7.6	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/11/2007	0.02	6.7	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	10/4/2007	0.019	7.9	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/21/2008	0.04	7.2	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	10/9/2008	0.061	7	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	6/11/2009	0.021	6.6	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	11/12/2009	0.023	6.7	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	4/14/2010	0.019	6.8	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	10/12/2010	0.015(B)	6.8	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	4/13/2011	<0.01	6.8	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/6/2011	<0.01	6.9	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/7/2012	<0.01	6.7	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	10/8/2012	<0.01	6.4	n/a	n/a	8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/20/2013	<0.01	7	n/a	n/a	7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/25/2013	<0.01	6.8	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/18/2014	<0.05	6.9	n/a	n/a	5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/17/2014	0.0041(J)	6.8	n/a	n/a	9.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/24/2015	0.0026(J)	6.8	n/a	n/a	1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/23/2015	<0.025	6.8	n/a	n/a	1.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	2/9/2016	<0.025	6.8	n/a	n/a	1.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/24/2016	0.0174(J)	6.9	n/a	n/a	5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/3/2017	<0.025	6.2	n/a	n/a	6.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1

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Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro- methane (µg/L)	Bromodichloro- methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-5R (cont.)	5/23/2017	<0.025	7.5	n/a	n/a	7.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/1/2017	<0.025	6.7	n/a	n/a	0.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	11/17/2017	<0.025	6.8	n/a	n/a	0.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/13/2018	0.00317(J)	6.9	n/a	n/a	3.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/13/2018	<0.025	6.8	n/a	n/a	3.8	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	9/13/2018	<0.025	6.5	n/a	n/a	7.9	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/13/2018	<0.025	7	n/a	n/a	7.24	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	3/13/2019	<0.025	6.9	n/a	n/a	5.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/13/2019	<0.025	6.8	n/a	n/a	8.57	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/24/2019	<0.025	6.9	n/a	n/a	5.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/3/2019	0.00308(BJ)	6.9	n/a	n/a	6.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/12/2020	<0.025	6.9	n/a	n/a	9.52	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/2/2020	<0.025	6.8	n/a	n/a	4.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/14/2020	<0.025	6.8	602	21.4	9.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/8/2020	0.00315(J)	6.7	507	18.8	9.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/11/2021	0.00663(BJ)	7	550	18.9	5.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-6	<i>downgradient</i>															
	11/5/2003	0.011	7	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/29/2004	0.032	6.9	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/20/2004	0.0032	6.3	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	4/27/2005	0.016	6.8	n/a	n/a	n/a	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.001	<0.0005	<0.1
	10/4/2005	0.0028	6.5	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/26/2006	0.0083	7.2	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	10/3/2006	0.014	7.2	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/11/2007	0.027	6.8	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	10/4/2007	0.013	7.9	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	4/21/2008	<0.01	7.1	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	10/9/2008	0.019	6.9	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	6/11/2009	0.031	6.8	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	11/12/2009	0.019	6.7	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26

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Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro- methane (µg/L)	Bromodichloro- methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-6 (cont.)	4/14/2010	0.016	6.7	n/a	n/a	n/a	<25	<1.7	<0.29	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	<0.26
	10/12/2010	0.015(B)	6.7	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	4/13/2011	<0.01	6.8	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/6/2011	<0.01	6.9	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/8/2012	<0.01	6.9	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	10/8/2012	<0.01	6	n/a	n/a	7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/20/2013	<0.01	7.1	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/25/2013	0.0036(J)	7	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/19/2014	0.0039(J)	6.9	n/a	n/a	5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/17/2014	0.0028(J)	6.9	n/a	n/a	8.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/24/2015	<0.025	6.7	n/a	n/a	2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/23/2015	<0.025	6.9	n/a	n/a	8.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	2/9/2016	<0.025	6.5	n/a	n/a	7.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/23/2016	n/a	6.8	n/a	n/a	7.9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/24/2016	<0.025	7	n/a	n/a	6.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/6/2017	0.00261(J)	6.9	n/a	n/a	6.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/23/2017	0.00283(BJ)	7.2	n/a	n/a	7.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/1/2017	<0.025	6.8	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	11/17/2017	<0.025	6.7	n/a	n/a	5.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/13/2018	0.00362(J)	6.7	n/a	n/a	8.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/13/2018	<0.025	6.8	n/a	n/a	6.9	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	9/13/2018	<0.025	6.6	n/a	n/a	4.3	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/13/2018	<0.025	6.9	n/a	n/a	5.86	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	3/14/2019	<0.025	6.8	n/a	n/a	7.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/13/2019	0.00272(J)	6.8	n/a	n/a	9.97	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/24/2019	<0.025	6.8	n/a	n/a	8.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/3/2019	<0.025	6.9	n/a	n/a	2.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/13/2020	<0.025	6.9	n/a	n/a	9.46	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/2/2020	<0.025	6.9	n/a	n/a	8.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro- methane (µg/L)	Bromodichloro- methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-6 (cont.)	9/14/2020	<0.025	6.9	883	24.4	9.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/8/2020	<0.025	6.7	742	19.5	5.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/11/2021	0.00495(BJ)	7	759	19.8	7.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
OB-1	upgradient															
	4/11/2007	0.019	n/a	n/a	n/a	n/a	<5	<1.6	<0.24	<0.26	<0.21	<0.14	<0.26	<0.00036	<0.00022	<0.45
	11/30/2016	0.00626(BJ)	6.7	n/a	n/a	2.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/1/2017	0.0224(J)	5.4	n/a	n/a	7.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/17/2017	0.0301	6.6	n/a	n/a	5.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/16/2017	<0.025	6.6	n/a	n/a	1.2	<50	<10	<1	<1(J4)	<1	<1	<5	<0.001	<0.001(J4)	<1
	11/13/2017	<0.025	6.9	n/a	n/a	3.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/12/2018	0.0423	6.7	n/a	n/a	3.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/11/2018	0.0185(J)	6.9	n/a	n/a	4.6	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	9/12/2018	<0.025	6.8	n/a	n/a	2.1	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/11/2018	0.0061(J)	7.1	n/a	n/a	8.43	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	3/12/2019	0.0226(J)	6.8	n/a	n/a	8.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/12/2019	0.0116(J)	6.7	n/a	n/a	8.58	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/24/2019	<0.025	7	n/a	n/a	3.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/3/2019	0.004(J)	6.9	n/a	n/a	3.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/10/2020	0.0145(J)	6.5	n/a	n/a	3.34	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/2/2020	<0.025	6.7	n/a	n/a	6.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/14/2020	<0.025	6.9	676	19.3	2.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/8/2020	0.00637(J)	6.9	555	17.2	1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/9/2021	0.0295(B)	6.8	651	18.2	3.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-10	upgradient															
	4/2/2013	0.075	6.8	n/a	n/a	9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/12/2013	<0.01	6.8	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/25/2013	<0.01	6.5	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/11/2013	<0.01	6.7	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/19/2014	0.0032(J)	6.8	n/a	n/a	7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/25/2014	0.0082(J)	6.9	n/a	n/a	6.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1

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Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro- methane (µg/L)	Bromodichloro- methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-10 (cont.)	9/18/2014	0.0034(J)	6.7	n/a	n/a	5.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/16/2014	0.011(J)	n/a	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/25/2015	<0.025	6.5	n/a	n/a	1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/24/2015	<0.025	6.6	n/a	n/a	2.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	2/18/2016	<0.025	6.6	n/a	n/a	6.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/25/2016	<0.025	6.7	n/a	n/a	3.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/18/2017	0.00305(J)	6.8	n/a	n/a	7.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	11/14/2017	<0.025	6.7	n/a	n/a	2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/11/2018	<0.025	6.4	n/a	n/a	9.8	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/17/2018	<0.025	6.5	n/a	n/a	8.36	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	6/19/2019	<0.025	6.3	n/a	n/a	7.23	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/23/2019	n/a	6.6	n/a	n/a	12.8	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	0.00624(BJ)	6.6	n/a	n/a	9.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/10/2020	<0.025	6.5	n/a	n/a	8.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/10/2020	0.00499(J)	6.5	301	19.8	10	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-11	<i>upgradient</i>															
	11/5/2015	<0.025	6.6	n/a	n/a	8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	2/10/2016	0.0056(J)	6.6	n/a	n/a	23.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/19/2016	<0.025	6.6	n/a	n/a	8.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/28/2016	0.0102(J)	6.9	n/a	n/a	1.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/1/2016	0.00761(BJ)	6.6	n/a	n/a	2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/2/2017	<0.025	6.6	n/a	n/a	6.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/19/2017	<0.025	6.5	n/a	n/a	8.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/17/2017	0.00392(J)	6.8	n/a	n/a	1.7	<50	<10	<1	<1(J4)	<1	<1	<5	<0.001	<0.001(J4)	<1
	11/14/2017	<0.025	6.7	n/a	n/a	1.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/11/2018	<0.025	6.8	n/a	n/a	8.8	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/17/2018	0.00317(J)	6.5	n/a	n/a	2.1	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	3/13/2019	n/a	6.6	n/a	n/a	9.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/20/2019	<0.025	6.5	n/a	n/a	8.78	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/5/2019	0.00342(BJ)	6.8	n/a	n/a	8.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1

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Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro- methane (µg/L)	Bromodichloro- methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-11 (cont.)	6/10/2020	<0.025	6.7	n/a	n/a	4.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/9/2020	<0.025	6.3	483	17.8	4.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/9/2021	n/a	7.1(R)	516	17.5	9.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	4/19/2021	n/a	6.9	503	17.4	9.9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MW-12	<i>downgradient</i>															
	11/5/2015	<0.025	6.6	n/a	n/a	5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	2/10/2016	0.00316(J)	6.7	n/a	n/a	3.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/19/2016	<0.025	6.5	n/a	n/a	7.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/28/2016	0.00402(J)	6.9	n/a	n/a	5.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/1/2016	0.00331(BJ)	6.7	n/a	n/a	1.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/2/2017	<0.025	6.4	n/a	n/a	7.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/19/2017	0.00351(J)	6.5	n/a	n/a	8.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/17/2017	0.007(J)	6.5	n/a	n/a	5	<50	<10	<1	<1(J4)	<1	<1	<5	<0.001	<0.001(J4)	<1
	11/14/2017	<0.025	6.5	n/a	n/a	6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/11/2018	<0.025	6.6	n/a	n/a	9.2	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/17/2018	0.00289(J)	6	n/a	n/a	8.66	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	3/13/2019	n/a	6.6	n/a	n/a	9.6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/20/2019	<0.025	6.7	n/a	n/a	9.81	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/5/2019	<0.025	6.6	n/a	n/a	5.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/10/2020	<0.025	6.5	n/a	n/a	7.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/10/2020	<0.025	6.5	295	18.7	3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-13	<i>downgradient</i>															
	11/5/2015	<0.025	6.8	n/a	n/a	3.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	2/10/2016	<0.025	6.9	n/a	n/a	4.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/19/2016	<0.025	6.5	n/a	n/a	7.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/28/2016	0.00378(J)	7.3	n/a	n/a	8.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/1/2016	<0.025	7	n/a	n/a	5.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/2/2017	0.0264	6.7	n/a	n/a	9.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/24/2017	<0.025	7.4	n/a	n/a	9.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/18/2017	<0.025	6.7	n/a	n/a	5.6	<50	<10	<1	<1(J4)	<1	<1	<5	<0.001	<0.001(J4)	<1

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MW-13 (cont.)	11/14/2017	<0.025	6.8	n/a	n/a	4.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/11/2018	<0.025	6.8	n/a	n/a	9.3	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/19/2018	<0.025	6.6	n/a	n/a	5.97	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	6/20/2019	<0.025	6.5	n/a	n/a	3.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/5/2019	<0.025	6.7	n/a	n/a	6.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/10/2020	<0.025	6.8	n/a	n/a	8.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/10/2020	0.00346(J)	6.7	382	19.2	8.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-14	<i>downgradient</i>															
	11/6/2015	<0.025	6.7	n/a	n/a	9.4	<50	<10	<1	<1	<1	<1	<5	0.00032	<0.001	<1
	2/18/2016	<0.025	7	n/a	n/a	7.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/23/2016	<0.025	6.5	n/a	n/a	4.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/29/2016	<0.025	7.1	n/a	n/a	2.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/1/2016	<0.025	6.4	n/a	n/a	3.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/2/2017	0.00284(J)	6.7	n/a	n/a	3.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/22/2017	<0.025	7.5	n/a	n/a	7.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/18/2017	0.00273(J)	6.9	n/a	n/a	8.3	<50	<10	<1	<1(J4)	<1	<1	<5	<0.001	<0.001(J4)	<1
	11/16/2017	<0.025	6.8	n/a	n/a	3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/13/2018	<0.025	7	n/a	n/a	6.6	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/19/2018	<0.025	6.7	n/a	n/a	4.32	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	6/19/2019	<0.025	6.5	n/a	n/a	3.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/24/2019	n/a	6.8	n/a	n/a	6.7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/5/2019	0.00333(BJ)	6.8	n/a	n/a	2.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/10/2020	n/a	7.4	n/a	n/a	6.55	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/5/2020	<0.025	6.5	n/a	n/a	4.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/11/2020	<0.025	6.9	452	18.1	4.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-15	<i>downgradient</i>															
	4/3/2013	0.019	6.9	n/a	n/a	9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	4/3/2013	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/12/2013	<0.01	6.6	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1

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Historical Database, Mississippi County Class 1 Landfill

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MW-15 (cont.)	9/25/2013	<0.01	6.4	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/12/2013	<0.01	6.6	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/19/2014	0.22	7	n/a	n/a	997	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-15R	<i>downgradient</i>															
	11/6/2015	<0.025	6.8	n/a	n/a	1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/23/2016	<0.025	6.7	n/a	n/a	6.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/29/2016	0.00306(J)	7	n/a	n/a	7.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/1/2016	<0.025	6.6	n/a	n/a	4.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/2/2017	<0.025	6.5	n/a	n/a	8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/23/2017	0.00277(BJ)	7	n/a	n/a	8.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/18/2017	0.00343(J)	7	n/a	n/a	7.6	<50	<10	<1	<1(J4)	<1	<1	<5	<0.001	<0.001(J4)	<1
	11/16/2017	<0.025	6.6	n/a	n/a	7.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/13/2018	<0.025	6.8	n/a	n/a	23.5	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	9/13/2018	n/a	6.4	n/a	n/a	4.7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/19/2018	0.00332(J)	6.7	n/a	n/a	6.14	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	6/19/2019	<0.025	6.7	n/a	n/a	9.81	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/3/2019	0.00299(BJ)	6.8	n/a	n/a	7.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/4/2020	<0.025	6.8	n/a	n/a	8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/10/2020	<0.025	6.8	398	19.5	7.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-16	<i>downgradient</i>															
	11/5/2015	<0.025	7.2	n/a	n/a	5.5	<50	<10	<1	<1	<1	<1	<5	0.000416	<0.001	<1
	8/29/2016	<0.025	6.1	n/a	n/a	1.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/5/2016	<0.025	6.9	n/a	n/a	1.6	<50	<10	<1	<1	<1	<1	1.56(BJ)	<0.001	<0.001	<1
	3/2/2017	0.0189(J)	6.7	n/a	n/a	6.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/23/2017	<0.025	6.9	n/a	n/a	8.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/18/2017	<0.025	6.9	n/a	n/a	4.9	<50	<10	<1	<1(J4)	<1	<1	<5	<0.001	<0.001(J4)	<1
	11/16/2017	<0.025	7	n/a	n/a	1.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/14/2018	<0.025	6.1	n/a	n/a	2.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/12/2018	<0.025	6.9	n/a	n/a	1.5	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/20/2018	<0.025	6.8	n/a	n/a	2.28	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1

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Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro-methane (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-16 (cont.)	6/18/2019	0.00352(J)	6.8	n/a	n/a	8.67	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/4/2019	<0.025	6.9	n/a	n/a	3.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/12/2020	n/a	6.9	n/a	n/a	9.65	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/4/2020	<0.025	6.9	n/a	n/a	8.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/10/2020	<0.025	6.7	474	18.6	2.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-17	<i>upgradient</i>															
	4/2/2013	0.0037(J)	7.1	n/a	n/a	9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/12/2013	<0.01	7.4	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/26/2013	<0.01	6.7	n/a	n/a	5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/12/2013	<0.01	6.8	n/a	n/a	5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/19/2014	<0.01	6.9	n/a	n/a	8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/25/2014	0.018	6.9	n/a	n/a	9.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/18/2014	<0.01	6.7	n/a	n/a	9.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/16/2014	0.019(J)	n/a	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/25/2015	<0.025	7.1	n/a	n/a	2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/23/2015	<0.025	6.7	n/a	n/a	7.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	2/18/2016	<0.025	6.6	n/a	n/a	4.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/26/2016	<0.025	6.6	n/a	n/a	8.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/18/2017	<0.025	7.2	n/a	n/a	4.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	11/14/2017	<0.025	6.8	n/a	n/a	6.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/11/2018	0.00643(J)	6.7	n/a	n/a	9.6	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/17/2018	<0.025	6.6	n/a	n/a	2.14	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	6/17/2019	<0.025	6.4	n/a	n/a	9.41	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/23/2019	n/a	6.7	n/a	n/a	9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<0.025	6.7	n/a	n/a	8.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/3/2020	<0.025	6.6	n/a	n/a	8.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/9/2020	<0.025	6.5	386	18.3	4.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro- methane (µg/L)	Bromodichloro- methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-18	upgradient															
	4/3/2013	0.028	7.1	n/a	n/a	8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/12/2013	<0.01	7	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/25/2013	<0.01	6.6	n/a	n/a	1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/12/2013	<0.01	6.9	n/a	n/a	3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/19/2014	<0.01	6.9	n/a	n/a	9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/25/2014	0.015	6.9	n/a	n/a	7.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/18/2014	<0.01	6.8	n/a	n/a	5.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/17/2014	0.021(J)	n/a	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/24/2015	<0.025	6.7	n/a	n/a	6.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/29/2016	0.00386(J)	7.3	n/a	n/a	7.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/22/2017	<0.025	6.8	n/a	n/a	8.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	11/16/2017	<0.025	6.7	n/a	n/a	7.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/12/2018	<0.025	6.9	n/a	n/a	8.4	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/20/2018	<0.025	6.8	n/a	n/a	1.9	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	3/13/2019	n/a	6.8	n/a	n/a	9.7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/18/2019	<0.025	6.6	n/a	n/a	8.11	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/3/2019	<0.025	6.8	n/a	n/a	8.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/10/2020	n/a	6.9	n/a	n/a	7.53	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/4/2020	<0.025	6.6	n/a	n/a	9.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/10/2020	<0.025	6.9	641	18.1	3.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-19	upgradient															
	4/2/2013	0.0034(J)	7	n/a	n/a	10	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/12/2013	<0.01	6.9	n/a	n/a	7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/25/2013	<0.01	6.8	n/a	n/a	3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/11/2013	<0.01	6.9	n/a	n/a	4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/19/2014	<0.01	6.9	n/a	n/a	10	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/25/2014	0.017	7	n/a	n/a	81.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/18/2014	0.0039(J)	6.7	n/a	n/a	1.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/16/2014	0.016(J)	n/a	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1

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Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro-methane (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-19 (cont.)	3/25/2015	0.0058(J)	6.5	n/a	n/a	3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/24/2015	<0.025	6.8	n/a	n/a	7.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	2/17/2016	<0.025	6.9	n/a	n/a	9.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/25/2016	<0.025	6.7	n/a	n/a	2.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/18/2017	<0.025	7.1	n/a	n/a	9.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	11/14/2017	<0.025	6.9	n/a	n/a	7.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/11/2018	<0.025	6.8	n/a	n/a	8.7	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/17/2018	0.00415(J)	6.8	n/a	n/a	5.45	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	6/17/2019	0.00323(J)	6.4	n/a	n/a	3.49	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/23/2019	n/a	6.9	n/a	n/a	6.4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<0.025	6.9	n/a	n/a	2.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/3/2020	<0.025	6.8	n/a	n/a	6.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/9/2020	<0.025	6.7	357	18.5	2.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-20	<i>upgradient</i>															
	4/3/2013	0.008(J)	7.2	n/a	n/a	9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/12/2013	<0.01	6.9	n/a	n/a	0	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/26/2013	0.0028(J)	6.6	n/a	n/a	2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/12/2013	<0.01	6.6	n/a	n/a	2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/19/2014	<0.01	6.9	n/a	n/a	10	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/25/2014	0.011	7	n/a	n/a	8.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/18/2014	0.0029(J)	6.7	n/a	n/a	8.6	<50	<10	<1	<1	<1	<1	<5	0.00074(J)	<0.001	<1
	12/16/2014	0.024(J)	n/a	n/a	n/a	n/a	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/24/2015	<0.025	6.7	n/a	n/a	12.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	2/18/2016	<0.025	6.8	n/a	n/a	21.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/29/2016	0.00373(J)	7.1	n/a	n/a	7.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/22/2017	0.0318(B)	7.7	n/a	n/a	31.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	11/16/2017	<0.025	6.6	n/a	n/a	16.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/12/2018	0.00459(J)	6.8	n/a	n/a	44.6	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1

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MW-21	<i>upgradient</i>															
	11/5/2015	<0.025	6.7	n/a	n/a	1.7	<50	<10	<1	<1	<1	<1	<5	0.000325	<0.001	<1
	2/11/2016	<0.025	6.7	n/a	n/a	5.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/18/2016	0.0241(J)	6.7	n/a	n/a	0.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/25/2016	<0.025	7.1	n/a	n/a	2.3	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	11/30/2016	0.00538(BJ)	6.6	n/a	n/a	2.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/1/2017	<0.025	6.4	n/a	n/a	3.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/18/2017	<0.025	7.1	n/a	n/a	4.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/17/2017	0.00308(J)	6.6	n/a	n/a	0.8	<50	<10	<1	<1(J4)	<1	<1	<5	<0.001	<0.001(J4)	<1
	11/14/2017	<0.025	7	n/a	n/a	2.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/11/2018	<0.025	6.8	n/a	n/a	4.4	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/17/2018	<0.025	6.8	n/a	n/a	3.11	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	6/18/2019	<0.025	6.5	n/a	n/a	3.64	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/4/2019	0.00336(BJ)	6.9	n/a	n/a	1.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/3/2020	<0.025	6.9	n/a	n/a	7.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/9/2020	<0.025	6.7	424	18.2	3.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-22	<i>upgradient</i>															
	11/4/2015	<0.025	6.7	n/a	n/a	1.3	<50	<10	<1	<1	<1	<1	<5	0.000704	<0.001	<1
	2/11/2016	<0.025	6.9	n/a	n/a	9.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/18/2016	<0.025	6.9	n/a	n/a	4.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/25/2016	<0.025	6.7	n/a	n/a	5.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	11/30/2016	<0.025	6.8	n/a	n/a	1.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/1/2017	<0.025	7.1	n/a	n/a	6.9	<50	<10	<1	<1	<1	<1	<5	0.000596(J)	<0.001	<1
	5/17/2017	0.00409(J)	6.8	n/a	n/a	1.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/16/2017	<0.025	7	n/a	n/a	4.3	<50	<10	<1	<1(J4)	<1	<1	<5	<0.001	<0.001(J4)	<1
	11/13/2017	<0.025	6.9	n/a	n/a	2.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/11/2018	<0.025	6.9	n/a	n/a	8.7	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/11/2018	<0.025	7	n/a	n/a	8.55	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	6/17/2019	<0.025	6.6	n/a	n/a	4.52	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1

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Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro- methane (µg/L)	Bromodichloro- methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-22 (cont.)	12/4/2019	0.00442(BJ)	6.8	n/a	n/a	1.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/3/2020	<0.025	6.8	n/a	n/a	2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/9/2020	<0.025	6.9	308	18.1	4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-23	<i>upgradient</i>															
	11/4/2015	<0.025	6.8	n/a	n/a	1.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	2/11/2016	<0.025	6.6	n/a	n/a	2.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/18/2016	<0.025	7	n/a	n/a	4.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/25/2016	<0.025	6.9	n/a	n/a	8.9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	11/30/2016	<0.025	6.6	n/a	n/a	1.1	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/1/2017	<0.025	6.4	n/a	n/a	8.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/17/2017	<0.025	6.8	n/a	n/a	7.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/16/2017	<0.025	6.7	n/a	n/a	0.9	<50	<10	<1	<1(J4)	<1	<1	<5	<0.001	<0.001(J4)	<1
	11/13/2017	<0.025	6.8	n/a	n/a	6.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/11/2018	<0.025	6.8	n/a	n/a	8	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/11/2018	<0.025	7	n/a	n/a	8.71	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	6/17/2019	<0.025	6.4	n/a	n/a	8.04	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/23/2019	n/a	6.9	n/a	n/a	7.6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<0.025	6.8	n/a	n/a	3.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/3/2020	<0.025	6.7	n/a	n/a	9.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	12/9/2020	0.00314(J)	6.5	422	19.3	4.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
MW-24	<i>upgradient</i>															
	11/5/2015	<0.025	6.7	n/a	n/a	5.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	2/10/2016	<0.025	7	n/a	n/a	5.7	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/19/2016	<0.025	6.7	n/a	n/a	9	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/28/2016	0.00295(J)	6.4	n/a	n/a	6.8	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	11/30/2016	<0.025	6.8	n/a	n/a	0.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/2/2017	<0.025	6.7	n/a	n/a	7.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	5/18/2017	<0.025	7	n/a	n/a	8.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	8/17/2017	0.00459(J)	6.8	n/a	n/a	8.9	<50	<10	<1	<1(J4)	<1	<1	<5	<0.001	<0.001(J4)	<1
	11/14/2017	<0.025	6.8	n/a	n/a	7.6	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1

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Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro-methane (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
MW-24 (cont.)	6/12/2018	<0.025	6.8	n/a	n/a	8.7	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/17/2018	<0.025	6.5	n/a	n/a	2.4	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	6/19/2019	<0.025	6.6	n/a	n/a	8.39	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/24/2019	n/a	6.9	n/a	n/a	6.9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	0.00348(BJ)	6.9	n/a	n/a	6.5	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	6/10/2020	<0.025	6.8	n/a	n/a	9.4	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	9/14/2020	n/a	6.9	548	22.2	4.2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/10/2020	0.00426(J)	6.8	480	18.6	3.2	<50	<10	<1	<1	<1	<1	<5	<0.001	<0.001	<1
	3/9/2021	n/a	7.4	570	18.9	9.4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LEACHATE#1	<i>downgradient</i>															
	4/14/2010	0.19	n/a	n/a	n/a	n/a	58	<1.7	2.7	<0.44	<0.37	<0.51	<2.5	<0.00032	<0.00031	0.38(J)
	10/12/2010	0.12(B)	n/a	n/a	n/a	n/a	29(J)	<10	1.6	<1	<1	<1	<5	<0.001	<0.001	0.73(J)
	4/13/2011	0.01(J)	n/a	n/a	n/a	n/a	<50	<10	2.2	<1	<1	<1	<5	0.00043(J)	<0.001	0.61(J)
	12/6/2011	0.014	n/a	n/a	n/a	n/a	29	<10	4.2	<1	<1	<1	<5	<0.001	<0.001	1.6
	5/8/2012	0.0088(J)	7.7	n/a	n/a	n/a	<50	<10	2.3	<1	<1	<1	<5	<0.001	<0.001	1.1
	10/8/2012	<0.05	7.2	n/a	n/a	300	13(J)	<10	3	<1	<1	<1	<5	<0.001	<0.001	0.95(J)
	3/20/2013	0.03	7.4	n/a	n/a	65	16(J)	<10	3.8	<1	<1	<1	<5	<0.001	<0.001	2.6
	9/26/2013	0.018	7.5	n/a	n/a	23	<50	<10	2	<1	<1	<1	<5	<0.001	<0.001	0.74(J)
	3/19/2014	0.052	7.4	n/a	n/a	n/a	28(J)	<10	1.3	<1	<1	<1	<5	<0.001	<0.001	1.2
	9/17/2014	<0.1	7.7	n/a	n/a	23.6	67	<10	2.1	<1	<1	<1	<5	0.0011	<0.001	0.42(J)
	3/25/2015	0.027	10.6	n/a	n/a	146	30(J)	<10	1.4	<1	<1	<1	<5	<0.001	<0.001	0.38(J)
	9/24/2015	0.00515	7.7	n/a	n/a	76.5	31.3	<10	0.828	<1	<1	<1	<5	<0.001	<0.001	<1
	2/19/2016	<0.225	n/a	n/a	n/a	n/a	<50	<10	3.53	<1	<1	<1	<5	<0.001	<0.001	1.71
	8/29/2016	0.0411(J)	n/a	n/a	n/a	n/a	13.3(J)	<10	2.64	<1	<1	<1	<5	<0.001	<0.001	1.61
	3/6/2017	0.0469	7.4	n/a	n/a	n/a	<50	<10	3.22	<1	<1	<1	<5	<0.001	<0.001	2.05
	9/1/2017	0.0453	n/a	n/a	n/a	n/a	<50	<10	2.57	<1	<1	<1	<5	0.0018	<0.001	0.913(J)
	6/13/2018	0.00463(J)	7.4	n/a	n/a	56.6	<50	<10	1.16	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/20/2018	0.0182(J)	7.1	n/a	n/a	174	17.4(J)	<10	5.66	<1	<1	<1	n/a	<0.001	<0.001	2.1
	6/20/2019	0.00626(J)	n/a	n/a	n/a	n/a	131	<10	0.748(J)	<1	<1	<1	<5	<0.001	<0.001	<1

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Sample ID	Date Sampled	Zinc (mg/L)	pH (SU)	Conductivity (µmhos/cm)	Temperature (C)	Turbidity (NTU)	Acetone (µg/L)	Acrylonitrile (µg/L)	Benzene (µg/L)	Bromochloro-methane (µg/L)	Bromodichloro-methane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (µg/L)
LEACHATE#1 (cont.)	12/5/2019	0.00514(J)	7.2	n/a	n/a	70.1	19.5(J)	<10	2.71	<1	<1	<1	<5	<0.001	<0.001	0.948(J)
	6/10/2020	0.0316	n/a	n/a	n/a	n/a	<500	<100	1.45(J)	<10	<10	<10	<50	<0.01	<0.01	<10
	12/11/2020	0.0472	7.5	8716	16.3	50.4	45.4(J)	<10	2.13	<1	<1	<1	<5	<0.001	<0.001	0.684(J)
LEACHATE#2	<i>downgradient</i>															
	6/13/2018	0.00593(J)	7	n/a	n/a	23.4	<50	<10	<1	<1	<1	<1	n/a	<0.001	<0.001	<1
	12/20/2018	0.00526(J)	6.5	n/a	n/a	267	12.8(J)	<10	2.88	<1	<1	<1	n/a	<0.001	<0.001	1.81
	6/20/2019	0.00385(J)	n/a	n/a	n/a	n/a	64.9	<10	1.61	<1	<1	<1	<5	<0.001	<0.001	<1
	12/5/2019	0.00531(J)	7.1	n/a	n/a	145	27.7(J)	<10	3.34	<1	<1	<1	<5	<0.001	<0.001	1.29
	6/10/2020	0.0354	n/a	n/a	n/a	n/a	19.7(J)	<10	0.99(J)	<1	<1	<1	<5	0.0121	<0.001	0.304(J)
	12/11/2020	0.00545(J)	7.4	4697	18.2	152	13.7(J)	<10	3.66	<1	<1	<1	<5	<0.001	<0.001	1.68

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-1	downgradient																
	10/27/1993	<1.94	<1.58	<4.6	<7.29	<1.76	<1.98	<1.71	<1.73	<1.79	<2.91	<1.56	<2.07	<1.88	<1.66	<1.69	<1.75
	3/15/1994	<0.45	<1.58	<0.44	0.88	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	6/14/1994	<0.45	<1.58	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	2.44	<0.29	1.06	0.76
	9/15/1994	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	0.31
	12/22/1994	<0.45	<1.58	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	6/2/1995	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	12/14/1995	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	6/13/1996	<0.2	<0.4	<2	<0.52	<0.96	<0.24	<1.1	<0.12	<0.12	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	11/26/1996	<0.2	<0.4	<2	<0.52	<0.96	<0.24	<1.1	<0.12	<0.12	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	4/23/1997	<0.2	<0.4	<2	<0.52	<0.96	<0.24	<1.1	<0.12	<0.12	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	10/8/1997	<0.2	<0.4	<2	<0.52	<0.96	<0.05	<0.2	<0.12	0.25	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	4/13/1998	<0.05	<0.1	<0.04	<0.2	<0.05	<0.04	<0.2	<0.03	<0.03	<0.4	<0.04	<0.06	<0.2	<0.1	<0.05	<0.04
	11/5/1998	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/1/1999	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/22/1999	<0.1	<0.1	0.54	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	5/10/2000	<0.1	<0.1	0.46	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/12/2000	<0.1	<0.1	0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/26/2001	0.13	<0.1	0.32	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/26/2001	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/10/2002	<0.1	<0.1	0.25	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	11/6/2002	<0.1	<0.1	0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/18/2003	<0.1	<0.1	0.11	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	11/5/2003	<0.1	<0.1	0.14	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/29/2004	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/20/2004	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/27/2005	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/4/2005	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/26/2006	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	10/3/2006	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-1 (cont.)	4/11/2007	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	10/4/2007	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/21/2008	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	10/9/2008	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	6/11/2009	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	11/12/2009	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	4/13/2010	<0.42	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	10/11/2010	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	4/12/2011	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/6/2011	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/7/2012	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	10/8/2012	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/19/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/18/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/16/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/24/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/9/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/25/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/1/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/6/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/24/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/1/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/17/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/14/2018	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/14/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-1 (cont.)	3/18/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/14/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/13/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/3/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/15/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/8/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/11/2021	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-2	<i>upgradient</i>																
	10/27/1993	<1.94	<1.58	<4.6	<7.29	<1.76	<1.98	<1.71	<1.73	<1.79	<2.91	<1.56	<2.07	<1.88	<1.66	<1.69	<1.75
	3/15/1994	<0.45	<1.58	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	0.76	<0.49	<1.74	0.32	0.87	<0.25
	6/14/1994	<0.45	<1.58	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	9/15/1994	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	12/22/1994	<0.45	<1.58	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	6/2/1995	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	12/14/1995	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	6/13/1996	<0.2	<0.4	<2	<0.52	<0.96	<0.24	<1.1	<0.12	<0.12	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	11/26/1996	<0.2	<0.4	<2	<0.52	<0.96	<0.24	<1.1	<0.12	<0.12	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	4/23/1997	<0.2	<0.4	<2	<0.52	<0.96	<0.24	<1.1	<0.12	<0.12	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	10/8/1997	<0.2	<0.4	<2	<0.52	<0.96	<0.05	<0.2	<0.12	0.2	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	4/13/1998	<0.05	<0.1	<0.04	<0.2	<0.05	<0.04	<0.2	<0.03	<0.03	<0.4	<0.04	<0.06	<0.2	<0.1	<0.05	<0.04
	11/5/1998	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	0.68	<0.1	<0.5	<0.5	<0.1	<0.1
	4/1/1999	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	0.51	<0.1	<0.5	<0.5	<0.1	<0.1
	10/22/1999	<0.1	<0.1	0.54	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	1.5	<0.1	<0.5	<0.5	<0.1	<0.1
	5/10/2000	<0.1	<0.1	0.31	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	2	<0.1	<0.5	<0.5	<0.1	<0.1
	10/12/2000	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	0.87	<0.1	<0.5	<0.5	<0.1	<0.1
	4/26/2001	<0.1	<0.1	0.87	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	3	<0.1	<0.5	<0.5	<0.1	<0.1
	10/26/2001	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	0.71	<0.1	<0.5	<0.5	<0.1	<0.1
	4/10/2002	<0.1	<0.1	0.32	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	0.85	<0.1	<0.5	<0.5	<0.1	<0.1

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Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-2 (cont.)	11/6/2002	<0.1	<0.1	0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	0.43	<0.1	<0.5	<0.5	<0.1	<0.1
	4/18/2003	<0.1	<0.1	0.11	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	0.47	<0.1	<0.5	<0.5	<0.1	<0.1
	11/5/2003	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	0.32	<0.1	<0.5	<0.5	<0.1	<0.1
	4/29/2004	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	0.19	<0.1	<0.5	<0.5	<0.1	<0.1
	10/20/2004	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/27/2005	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	0.19	<0.1	<0.5	<0.5	<0.1	<0.1
	10/4/2005	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/26/2006	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	10/3/2006	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/11/2007	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	0.61	<0.7	<0.38	<0.16	<0.19	<0.27
	10/4/2007	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/21/2008	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	10/9/2008	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	6/11/2009	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	11/12/2009	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	4/13/2010	<0.42	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	10/11/2010	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	4/12/2011	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/6/2011	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	0.3	<1	<1
	5/7/2012	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	10/8/2012	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/19/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/18/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/16/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/24/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/23/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/9/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/24/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/1/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-2 (cont.)	3/3/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/23/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/31/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/17/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/12/2018	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/12/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/12/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/12/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/12/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/12/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/2/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/14/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/8/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/11/2021	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-3	downgradient																
	10/27/1993	<1.94	<1.58	<4.6	<7.29	<1.76	<1.98	<1.71	<1.73	<1.79	<2.91	<1.56	<2.07	<1.88	<1.66	<1.69	<1.75
	3/15/1994	<0.45	<1.58	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	6/14/1994	<0.45	<1.58	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	0.31
	9/15/1994	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	12/22/1994	<0.45	<1.58	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	6/2/1995	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	12/14/1995	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	6/13/1996	<0.2	<0.4	<2	<0.52	<0.96	<0.24	<1.1	<0.12	<0.12	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	11/26/1996	<0.2	<0.4	<2	<0.52	<0.96	<0.24	<1.1	<0.12	<0.12	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	4/23/1997	<0.2	<0.4	<2	<0.52	<0.96	<0.24	<1.1	<0.12	<0.12	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	10/8/1997	<0.2	<0.4	<2	<0.52	<0.96	<0.05	<0.2	<0.12	0.25	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	4/13/1998	<0.05	<0.1	<0.04	<0.2	<0.05	<0.04	<0.2	<0.03	<0.03	<0.4	<0.04	<0.06	<0.2	<0.1	<0.05	<0.04

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-3 (cont.)	11/5/1998	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/1/1999	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/22/1999	<0.1	<0.1	0.57	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	5/10/2000	<0.1	<0.1	0.38	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/12/2000	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/26/2001	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/26/2001	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/10/2002	<0.1	<0.1	0.21	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	11/6/2002	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/18/2003	<0.1	<0.1	0.25	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	11/5/2003	<0.1	<0.1	0.12	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/29/2004	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/20/2004	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/27/2005	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/4/2005	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/26/2006	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	10/3/2006	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/11/2007	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	10/4/2007	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/21/2008	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	10/9/2008	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	6/11/2009	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	11/12/2009	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	4/13/2010	<0.42	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	10/11/2010	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	4/12/2011	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/6/2011	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/7/2012	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	10/8/2012	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/20/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-3 (cont.)	9/25/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/18/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/16/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/24/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/21/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/17/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/24/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/1/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/6/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/24/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/1/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/17/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/13/2018	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/18/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/13/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/13/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/2/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/15/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/8/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/11/2021	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-4	<i>downgradient</i>																
	10/27/1993	<1.94	<1.58	<4.6	<7.29	<1.76	<1.98	<1.71	<1.73	<1.79	<2.91	<1.56	<2.07	<1.88	<1.66	<1.69	<1.75
	3/15/1994	<0.45	<1.58	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	6/14/1994	<0.45	<1.58	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-4 (cont.)	9/15/1994	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	12/22/1994	<0.45	<1.58	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	6/2/1995	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	12/14/1995	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	6/13/1996	<0.2	<0.4	<2	<0.52	<0.96	<0.24	<1.1	<0.12	<0.12	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	11/26/1996	<0.2	<0.4	<2	<0.52	<0.96	<0.24	<1.1	<0.12	<0.12	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	4/23/1997	<0.2	<0.4	<2	<0.52	<0.96	<0.24	<1.1	<0.12	<0.12	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	10/8/1997	<0.2	<0.4	<2	<0.52	<0.96	<0.05	<0.2	<0.12	0.22	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	4/13/1998	<0.05	<0.1	<0.04	<0.2	<0.05	<0.04	<0.2	<0.03	<0.03	<0.4	<0.04	<0.06	<0.2	<0.1	<0.05	<0.04
	11/5/1998	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/1/1999	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
MW-4R	downgradient																
	10/22/1999	<0.1	<0.1	0.72	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	5/10/2000	<0.1	<0.1	1.2	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/12/2000	<0.1	<0.1	0.15	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/26/2001	<0.1	<0.1	0.3	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/26/2001	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/10/2002	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	11/6/2002	<0.1	<0.1	0.36	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/18/2003	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	11/5/2003	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/29/2004	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/20/2004	<0.1	<0.1	0.18	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/27/2005	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/4/2005	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/26/2006	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	10/3/2006	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/11/2007	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-4R (cont.)	10/4/2007	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/21/2008	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	10/9/2008	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
MW-4R2	downgradient																
	6/11/2009	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	11/12/2009	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	4/14/2010	<0.42	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	10/12/2010	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	4/13/2011	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/6/2011	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/7/2012	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	10/8/2012	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/20/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/25/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/18/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/16/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/24/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/23/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/9/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/24/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/3/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/23/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/1/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/17/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/12/2018	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/12/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/12/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/12/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/12/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

B: analyte was detected in associated blank sample.

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-4R2 (cont.)	9/24/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/12/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/2/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/14/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/8/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/11/2021	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-5	downgradient																
	6/14/1994	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	9/15/1994	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	12/22/1994	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	6/2/1995	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	12/14/1995	<0.45	<0.52	<0.44	<0.84	<0.64	<1.01	<1.87	<0.44	<0.48	<2.37	<0.33	<0.49	<1.74	<0.29	<0.58	<0.25
	6/13/1996	<0.2	<0.4	<2	<0.52	<0.96	<0.24	<1.1	<0.12	<0.12	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	11/26/1996	<0.2	<0.4	<2	<0.52	<0.96	<0.24	<1.1	<0.12	<0.12	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	4/23/1997	<0.2	<0.4	<2	<0.52	<0.96	<0.24	<1.1	<0.12	<0.12	<10	<0.16	<0.24	<0.48	<0.48	<0.24	<0.16
	10/8/1997	<0.2	<0.4	<2	<0.52	<0.96	<0.05	<0.2	<0.12	0.26	<10	<0.16	<0.24	<0.16	<0.48	<0.24	<0.16
	4/13/1998	<0.05	<0.1	<0.04	<0.2	<0.05	<0.04	<0.2	<0.03	<0.03	<0.4	<0.04	<0.06	<0.2	<0.1	<0.05	<0.04
	11/5/1998	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/1/1999	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/22/1999	<0.1	<0.1	0.84	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	5/10/2000	<0.1	<0.1	0.94	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/12/2000	<0.1	<0.1	0.25	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/26/2001	<0.1	<0.1	0.45	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/26/2001	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/10/2002	<0.1	<0.1	0.17	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	11/6/2002	<0.1	<0.1	0.31	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/18/2003	<0.1	<0.1	0.34	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-5R	downgradient																
	11/5/2003	<0.1	<0.1	0.11	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/29/2004	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/20/2004	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/27/2005	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/4/2005	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/26/2006	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	10/3/2006	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/11/2007	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	10/4/2007	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/21/2008	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	10/9/2008	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	6/11/2009	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	11/12/2009	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	4/14/2010	<0.42	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	10/12/2010	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	4/13/2011	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/6/2011	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/7/2012	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	10/8/2012	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/20/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/25/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/18/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/17/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/24/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/23/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/9/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/24/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/3/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-5R (cont.)	5/23/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/1/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/17/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/13/2018	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/13/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/13/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/12/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/2/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/14/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/8/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/11/2021	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-6	<i>downgradient</i>																
	11/5/2003	<0.1	<0.1	0.13	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/29/2004	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/20/2004	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	4/27/2005	<0.1	<0.1	<0.1	<0.5	<0.5	<0.05	<0.2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1
	10/4/2005	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/26/2006	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	10/3/2006	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/11/2007	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	10/4/2007	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	4/21/2008	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	10/9/2008	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	6/11/2009	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	11/12/2009	<0.37	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52

B: analyte was detected in associated blank sample.

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Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-6 (cont.)	4/14/2010	<0.42	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	10/12/2010	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	4/13/2011	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/6/2011	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/8/2012	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	10/8/2012	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/20/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/25/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/19/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/17/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/24/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/23/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/9/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/24/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/6/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/23/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/1/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/17/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/13/2018	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/14/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/13/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/13/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/2/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

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Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-6 (cont.)	9/14/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/8/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/11/2021	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
OB-1	upgradient																
	4/11/2007	<0.21	<0.33	<0.25	<0.14	<0.36	<0.25	<0.69	<0.8	<0.8	<1.2	<0.38	<0.7	<0.38	<0.16	<0.19	<0.27
	11/30/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/1/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/17/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/16/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/13/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/12/2018	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/12/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/11/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/12/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/12/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/10/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/2/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/14/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/8/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/9/2021	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-10	upgradient																
	4/2/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/12/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/25/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/11/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/19/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/25/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-10 (cont.)	9/18/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/16/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/25/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/18/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/25/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/18/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/14/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/17/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/19/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/10/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/10/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-11	<i>upgradient</i>																
	11/5/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/10/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/19/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/28/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/1/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/2/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/19/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/17/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/14/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/17/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/13/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/20/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/5/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

B: analyte was detected in associated blank sample.

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Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-11 (cont.)	6/10/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/9/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/9/2021	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	4/19/2021	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MW-12	<i>downgradient</i>																
	11/5/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/10/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/19/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/28/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/1/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/2/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/19/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/17/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/14/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/17/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/13/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/20/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/5/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/10/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/10/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-13	<i>downgradient</i>																
	11/5/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/10/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/19/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/28/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/1/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/2/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/24/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/18/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-13 (cont.)	11/14/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/19/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/20/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/5/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/10/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/10/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-14	downgradient																
	11/6/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/18/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/23/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/29/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/1/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/2/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/22/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/18/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/16/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/19/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/19/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/5/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/10/2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/5/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/11/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-15	downgradient																
	4/3/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	4/3/2013	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<1	n/a	n/a
	6/12/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-15 (cont.)	9/25/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/12/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/19/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-15R	downgradient																
	11/6/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/23/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/29/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/1/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/2/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/23/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/18/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/16/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/13/2018	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/19/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/19/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/4/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/10/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-16	downgradient																
	11/5/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/29/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/5/2016	<1	<5	<5	0.476(BJ)	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/2/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/23/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/18/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/16/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/14/2018	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/12/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/20/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-16 (cont.)	6/18/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/4/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/12/2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/4/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/10/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-17	<i>upgradient</i>																
	4/2/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/12/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/26/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/12/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/19/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/25/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/18/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/16/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/25/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/23/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/18/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/26/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/18/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/14/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/17/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/17/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/3/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/9/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-18	<i>upgradient</i>																
	4/3/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/12/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/25/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/12/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/19/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/25/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/18/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/17/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/29/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/22/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/16/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/12/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/20/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/13/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/18/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/10/2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/4/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/10/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-19	<i>upgradient</i>																
	4/2/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/12/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/25/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/11/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/19/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/25/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/18/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/16/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

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MW-19 (cont.)	3/25/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/17/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/25/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/18/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/14/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/17/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/17/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/3/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/9/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-20	<i>upgradient</i>																
	4/3/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/12/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/26/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/12/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/19/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/25/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/18/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/16/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/18/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/29/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/22/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/16/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/12/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

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Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-21	upgradient																
	11/5/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/11/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/18/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/25/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/30/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/1/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/18/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/17/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/14/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/17/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/18/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/4/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/3/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/9/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-22	upgradient																
	11/4/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/11/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/18/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/25/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/30/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/1/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/17/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/16/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/13/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/11/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/17/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-22 (cont.)	12/4/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/3/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/9/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-23	<i>upgradient</i>																
	11/4/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/11/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/18/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/25/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/30/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/1/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/17/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/16/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/13/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/11/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/17/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/3/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/9/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
MW-24	<i>upgradient</i>																
	11/5/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/10/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/19/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/28/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/30/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/2/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	5/18/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	8/17/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	11/14/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
MW-24 (cont.)	6/12/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/17/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/19/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/10/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/14/2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/10/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/9/2021	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LEACHATE#1	downgradient																
	4/14/2010	<0.42	<2.5	<2.5	<0.25	<0.28	<0.48	<0.48	<0.29	<0.3	<0.85	<0.31	<0.27	<0.5	<0.38	<0.3	<0.52
	10/12/2010	<1	<5	<5	<2.5	<1	<1	<5	<1	0.44(J)	<2.5	<1	<1	<1	<1	<1	<1
	4/13/2011	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	0.47(J)	<1	<1
	12/6/2011	<1	<5	<5	<2.5	<1	<1	<5	<1	0.77	<2.5	<1	<1	<1	<1	<1	<1
	5/8/2012	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	10/8/2012	<1	<5	<5	<2.5	<1	<1	<5	<1	0.89(J)	<2.5	<1	<1	<1	<1	<1	<1
	3/20/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	1.1	<2.5	<1	<1	<1	<1	<1	<1
	9/26/2013	<1	<5	<5	<2.5	<1	<1	<5	<1	0.32(J)	<2.5	<1	<1	<1	<1	<1	<1
	3/19/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	0.96(J)	<2.5	<1	<1	<1	<1	<1	<1
	9/17/2014	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	3/25/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	9/24/2015	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	2/19/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	1.37	<2.5	<1	<1	<1	<1	<1	<1
	8/29/2016	<1	<5	<5	<2.5	<1	<1	<5	<1	0.997(J)	<2.5	<1	<1	<1	<1	<1	<1
	3/6/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	0.936(J)	<2.5	<1	<1	<1	<1	<1	<1
	9/1/2017	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/20/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	1.34	<2.5	<1	<1	<1	<1	<1	<1
	6/20/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Dibromomethane (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	trans-1,4-Dichloro-2-butene (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)
LEACHATE#1 (cont.)	12/5/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	6/10/2020	<10	<50	<50	<25	<10	<10	<50	<10	<10	<25	<10	<10	<10	<10	<10	<10
	12/11/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
LEACHATE#2	downgradient																
	6/13/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/20/2018	<1	<5	<5	n/a	n/a	n/a	n/a	<1	0.523(J)	<2.5	<1	<1	<1	<1	<1	<1
	6/20/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1
	12/5/2019	<1	<5	<5	<2.5	<1	<1	<5	<1	0.414(J)	<2.5	<1	<1	<1	<1	<1	<1
	6/10/2020	<1	3.56(J)	<5	<2.5	<1	<1	<5	<1	<1	<2.5	1.26	0.551(J)	<1	<1	<1	0.578(J)
	12/11/2020	<1	<5	<5	<2.5	<1	<1	<5	<1	0.484(J)	<2.5	<1	<1	<1	<1	<1	<1

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-1	downgradient														
	10/27/1993	<1.89	<2.53	<2.04	<2.64	<1.05	<0.0324	<0.0222	<0.00234	<1.9	<1.62	<2.34	<2.14	<1.79	<2.89
	3/15/1994	<0.31	<0.63	<0.36	3.26	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	6/14/1994	0.46	0.63	1.4	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	1	<1.79	<0.7	<0.46	<0.84
	9/15/1994	<0.31	<0.63	0.41	<3.04	<0.99	<0.0161	<0.0222	<0.00319	0.31	0.42	<1.79	<0.7	<0.46	<0.84
	12/22/1994	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	6/2/1995	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	12/14/1995	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	6/13/1996	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.01	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	11/26/1996	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.01	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	4/23/1997	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.01	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	10/8/1997	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.02	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	4/13/1998	<0.05	<0.05	<0.03	<0.5	<0.1	<0.004	<0.0002	<0.002	<0.04	<0.03	<0.04	<0.06	<0.05	<0.05
	11/5/1998	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/1/1999	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/22/1999	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	5/10/2000	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/12/2000	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/26/2001	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/26/2001	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/10/2002	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	11/6/2002	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/18/2003	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	11/5/2003	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/29/2004	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/20/2004	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/27/2005	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/4/2005	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/26/2006	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	10/3/2006	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22

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Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-1 (cont.)	4/11/2007	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	10/4/2007	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/21/2008	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	10/9/2008	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	6/11/2009	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	0.32	<2.5	<0.27
	11/12/2009	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	4/13/2010	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	10/11/2010	<1	<1	<1	<5	<5	<0.015	<0.005	<0.005	<1	<1	<1	0.62(J)	<5	<1
	4/12/2011	<1	<1	<1	<5	<5	<0.015	<0.005	<0.005	<1	<1	<1	<1	<5	<1
	12/6/2011	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/7/2012	<1	<1	<1	<10	<10	<0.015	0.001(J)	<0.01	<1	<1	<1	<1	<5	<1
	10/8/2012	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/19/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/24/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/18/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/16/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/24/2015	<1	<1	<1	<10	<10	<0.015	0.0028(J)	<0.01	<1	<1	<1	<1	<5	<1
	9/24/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/9/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/25/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/1/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/6/2017	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/24/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/1/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/17/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/14/2018	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/14/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-1 (cont.)	3/18/2019	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/14/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/24/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/13/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	9.12	<1	<1
	6/3/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	0.294(J)	<1
	9/15/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/8/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/11/2021	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-2	<i>upgradient</i>														
	10/27/1993	<1.89	<2.53	<2.04	<2.64	<1.05	<0.0324	<0.0222	<0.00234	<1.9	<1.62	<2.34	<2.14	<1.79	<2.89
	3/15/1994	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	6/14/1994	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	9/15/1994	<0.31	<0.63	0.37	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	0.33	<1.79	<0.7	<0.46	<0.84
	12/22/1994	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	6/2/1995	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	12/14/1995	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	6/13/1996	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.01	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	11/26/1996	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.01	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	4/23/1997	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.01	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	10/8/1997	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.02	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	4/13/1998	<0.05	<0.05	<0.03	<0.5	<0.1	<0.004	<0.0002	<0.002	<0.04	<0.03	<0.04	<0.06	<0.05	<0.05
	11/5/1998	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/1/1999	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/22/1999	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	5/10/2000	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/12/2000	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/26/2001	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/26/2001	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/10/2002	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5

B: analyte was detected in associated blank sample.

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Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-2 (cont.)	11/6/2002	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/18/2003	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	11/5/2003	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/29/2004	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/20/2004	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/27/2005	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/4/2005	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/26/2006	<0.19	<0.13	<0.5	2.2	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	10/3/2006	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/11/2007	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	10/4/2007	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/21/2008	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	10/9/2008	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	6/11/2009	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	0.3	<2.5	<0.27
	11/12/2009	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	4/13/2010	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	10/11/2010	<1	<1	<1	<5	<5	<0.015	<0.005	<0.005	<1	<1	<1	0.59(J)	<5	<1
	4/12/2011	<1	<1	<1	<5	<5	<0.015	<0.005	<0.005	<1	<1	<1	<1	<5	<1
	12/6/2011	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/7/2012	<1	<1	<1	<10	<10	<0.015	0.001(J)	<0.01	<1	<1	<1	<1	<5	<1
	10/8/2012	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/19/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/24/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/18/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/16/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/24/2015	<1	<1	<1	<10	<10	<0.015	0.0025(J)	<0.01	<1	<1	<1	<1	<5	<1
	9/23/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/9/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/24/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/1/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-2 (cont.)	3/3/2017	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/23/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	8/31/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/17/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/12/2018	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/12/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/12/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/12/2019	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/12/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/24/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/12/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	7.24	<1	<1
	6/2/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	0.3(J)	<1
	9/14/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/8/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/11/2021	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-3	<i>downgradient</i>														
	10/27/1993	<1.89	<2.53	<2.04	<2.64	<1.05	<0.0324	<0.0222	<0.00234	<1.9	<1.62	<2.34	<2.14	<1.79	<2.89
	3/15/1994	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	6/14/1994	0.44	<0.63	0.47	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	9/15/1994	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	12/22/1994	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	6/2/1995	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	12/14/1995	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	6/13/1996	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.01	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	11/26/1996	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.01	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	4/23/1997	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.01	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	10/8/1997	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.02	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	4/13/1998	<0.05	<0.05	<0.03	<0.5	<0.1	<0.004	<0.0002	<0.002	<0.04	<0.03	<0.04	<0.06	<0.05	<0.05

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-3 (cont.)	11/5/1998	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/1/1999	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/22/1999	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	5/10/2000	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/12/2000	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/26/2001	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/26/2001	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/10/2002	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	11/6/2002	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/18/2003	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	11/5/2003	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/29/2004	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/20/2004	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/27/2005	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/4/2005	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/26/2006	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	10/3/2006	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/11/2007	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	10/4/2007	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/21/2008	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	10/9/2008	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	6/11/2009	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	11/12/2009	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	4/13/2010	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	10/11/2010	<1	<1	<1	<5	<5	<0.015	<0.005	<0.005	<1	<1	<1	0.59(J)	<5	<1
	4/12/2011	<1	<1	<1	<5	<5	<0.015	<0.005	<0.005	<1	<1	<1	<1	<5	<1
	12/6/2011	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/7/2012	<1	<1	<1	<10	<10	<0.015	0.001(J)	<0.01	<1	<1	<1	<1	<5	<1
	10/8/2012	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/20/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1

B: analyte was detected in associated blank sample.

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Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-3 (cont.)	9/25/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/18/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/16/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/24/2015	<1	<1	<1	<10	<10	<0.015	0.0025(J)	<0.01	<1	<1	<1	<1	<5	<1
	9/21/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/17/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/24/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/1/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/6/2017	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/24/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/1/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/17/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/13/2018	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/18/2019	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/13/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/24/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/13/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	2.76	<1	<1
	6/2/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/15/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/8/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/11/2021	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-4	downgradient														
	10/27/1993	<1.89	<2.53	<2.04	<2.64	<1.05	<0.0324	<0.0222	<0.00234	<1.9	<1.62	<2.34	<2.14	<1.79	<2.89
	3/15/1994	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	6/14/1994	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84

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MW-4 (cont.)	9/15/1994	<0.31	<0.63	0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	12/22/1994	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	6/2/1995	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	12/14/1995	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	6/13/1996	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.01	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	11/26/1996	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.01	<0.01	<0.16	<0.2	<0.16	<0.56	2.2	<0.32
	4/23/1997	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.01	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	10/8/1997	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.02	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	4/13/1998	<0.05	<0.05	<0.03	<0.5	<0.1	<0.004	<0.0002	<0.002	<0.04	<0.03	<0.04	<0.06	<0.05	<0.05
	11/5/1998	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/1/1999	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
MW-4R	downgradient														
	10/22/1999	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	5/10/2000	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/12/2000	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/26/2001	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/26/2001	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/10/2002	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	11/6/2002	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/18/2003	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	11/5/2003	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/29/2004	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/20/2004	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/27/2005	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	0.98	<0.5
	10/4/2005	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/26/2006	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	10/3/2006	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/11/2007	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22

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Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-4R (cont.)	10/4/2007	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/21/2008	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	10/9/2008	<0.26	<0.24	<0.22	3.9	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
MW-4R2	downgradient														
	6/11/2009	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	11/12/2009	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	4/14/2010	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	10/12/2010	<1	<1	<1	<5	<5	<0.015	<0.005	<0.005	<1	<1	<1	0.45(J)	<5	<1
	4/13/2011	<1	<1	<1	<5	<5	<0.015	<0.005	<0.005	<1	<1	<1	<1	<5	<1
	12/6/2011	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/7/2012	<1	<1	<1	<10	<10	<0.015	0.0011(J)	<0.01	<1	<1	<1	<1	<5	<1
	10/8/2012	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/20/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/25/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/18/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/16/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/24/2015	<1	<1	<1	<10	<10	<0.015	0.0023(J)	<0.01	<1	<1	<1	<1	<5	<1
	9/23/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/9/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/24/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/3/2017	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/23/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/1/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/17/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/12/2018	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/12/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/12/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/12/2019	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/12/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-4R2 (cont.)	9/24/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/12/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	53.7	<1	<1
	6/2/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/14/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/8/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/11/2021	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-5	downgradient														
	6/14/1994	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	0.009	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	9/15/1994	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	12/22/1994	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	6/2/1995	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	12/14/1995	<0.31	<0.63	<0.36	<3.04	<0.99	<0.0161	<0.0222	<0.00319	<0.27	<0.26	<1.79	<0.7	<0.46	<0.84
	6/13/1996	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.01	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	11/26/1996	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.01	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	4/23/1997	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.01	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	10/8/1997	<0.4	<0.4	<0.24	<10	<10	<0.04	<0.02	<0.01	<0.16	<0.2	<0.16	<0.56	<0.44	<0.32
	4/13/1998	<0.05	<0.05	<0.03	<0.5	<0.1	<0.004	<0.0002	<0.002	<0.04	<0.03	<0.04	<0.06	<0.05	<0.05
	11/5/1998	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/1/1999	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/22/1999	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	5/10/2000	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/12/2000	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/26/2001	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/26/2001	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/10/2002	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	11/6/2002	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/18/2003	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-5R	downgradient														
	11/5/2003	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/29/2004	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/20/2004	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/27/2005	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	0.62	<0.5
	10/4/2005	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/26/2006	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	10/3/2006	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/11/2007	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	10/4/2007	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/21/2008	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	10/9/2008	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	6/11/2009	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	0.4	<2.5	<0.27
	11/12/2009	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	4/14/2010	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	10/12/2010	<1	<1	<1	<5	<5	<0.015	<0.005	<0.005	<1	<1	<1	0.42(J)	<5	<1
	4/13/2011	<1	<1	<1	<5	<5	<0.015	<0.005	<0.005	<1	<1	<1	<1	<5	<1
	12/6/2011	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/7/2012	<1	<1	<1	<10	<10	<0.015	0.001(J)	<0.01	<1	<1	<1	<1	<5	<1
	10/8/2012	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/20/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/25/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/18/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/17/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/24/2015	<1	<1	<1	<10	<10	<0.015	0.0026(J)	<0.01	<1	<1	<1	<1	<5	<1
	9/23/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/9/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/24/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/3/2017	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1

B: analyte was detected in associated blank sample.

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Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-5R (cont.)	5/23/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/1/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/17/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/13/2018	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/13/2019	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/13/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/24/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/12/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	3.92	<1	<1
	6/2/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	0.375(J)	<1
	9/14/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/8/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/11/2021	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-6	<i>downgradient</i>														
	11/5/2003	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/29/2004	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	10/20/2004	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5
	4/27/2005	<0.1	<0.1	<0.5	<1	<0.5	<0.005	<0.01	<0.005	<0.5	<0.1	<0.1	<0.5	0.75	<0.5
	10/4/2005	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/26/2006	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	10/3/2006	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/11/2007	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	10/4/2007	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	4/21/2008	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	10/9/2008	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	6/11/2009	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	0.31	<2.5	<0.27
	11/12/2009	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-6 (cont.)	4/14/2010	<0.26	<0.24	<0.22	<1.6	<2.6	<0.01	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	10/12/2010	<1	<1	<1	<5	<5	<0.015	<0.005	<0.005	<1	<1	<1	0.53(J)	<5	<1
	4/13/2011	<1	<1	<1	<5	<5	<0.015	<0.005	<0.005	<1	<1	<1	<1	<5	<1
	12/6/2011	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/8/2012	<1	<1	<1	<10	<10	<0.015	0.001(J)	<0.01	<1	<1	<1	<1	<5	<1
	10/8/2012	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/20/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/25/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/19/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/17/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/24/2015	<1	<1	<1	<10	<10	<0.015	0.0024(J)	<0.01	<1	<1	<1	<1	<5	<1
	9/23/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/9/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/24/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/6/2017	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/23/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/1/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/17/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/13/2018	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/14/2019	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/13/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/24/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/13/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	2.3	<1	<1
	6/2/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1

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Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-6 (cont.)	9/14/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/8/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/11/2021	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
OB-1	upgradient														
	4/11/2007	<0.19	<0.13	<0.5	<0.53	<0.29	<0.0013	<0.001	<0.0005	<0.15	<0.18	<0.16	<0.5	<0.5	<0.22
	11/30/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/1/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/17/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	8/16/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/13/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/12/2018	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/12/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/11/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/12/2019	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/12/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/24/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/10/2020	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/2/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/14/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/8/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/9/2021	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-10	upgradient														
	4/2/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	6/12/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/25/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/11/2013	<1	<1	<1	<10	<10	<0.015	0.0011(J)	<0.01	<1	<1	<1	<1	<5	<1
	3/19/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	6/25/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1

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Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-10 (cont.)	9/18/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/16/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/25/2015	<1	<1	<1	<10	<10	<0.015	0.0026(J)	<0.01	<1	<1	<1	<1	<5	<1
	9/24/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/18/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/25/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/18/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/14/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/17/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/19/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/10/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/10/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-11	<i>upgradient</i>														
	11/5/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/10/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/19/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/28/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/1/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/2/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/19/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	8/17/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/14/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/17/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/13/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/20/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/5/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1

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Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-11 (cont.)	6/10/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/9/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/9/2021	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	4/19/2021	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MW-12	<i>downgradient</i>														
	11/5/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/10/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/19/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/28/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/1/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/2/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/19/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	8/17/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/14/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/17/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/13/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/20/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/5/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/10/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/10/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-13	<i>downgradient</i>														
	11/5/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/10/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/19/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/28/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/1/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/2/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/24/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	8/18/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-13 (cont.)	11/14/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/19/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	0.472(J)	<1
	6/20/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/5/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/10/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/10/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-14	<i>downgradient</i>														
	11/6/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/18/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/23/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/29/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/1/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/2/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/22/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	8/18/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/16/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/19/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/19/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/24/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/5/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/10/2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/5/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	0.292(J)	<1
	12/11/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-15	<i>downgradient</i>														
	4/3/2013	<1	<1	<1	<10	<10	<0.015	0.001(J)	<0.01	<1	<1	<1	<1	<5	<1
	4/3/2013	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/12/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1

B: analyte was detected in associated blank sample.

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Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-15 (cont.)	9/25/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/12/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/19/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
MW-15R downgradient	11/6/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/23/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/29/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/1/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/2/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/23/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	8/18/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/16/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/13/2018	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/19/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/19/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/4/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/10/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-16 downgradient	11/5/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/29/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/5/2016	<1	<1	<1	<10	5.09(BJ)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/2/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/23/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	8/18/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/16/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/14/2018	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/12/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/20/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

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Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-16 (cont.)	6/18/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/4/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/12/2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/4/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/10/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-17	<i>upgradient</i>														
	4/2/2013	<1	<1	<1	<10	<10	<0.015	0.0011(J)	<0.01	<1	<1	<1	<1	<5	<1
	6/12/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/26/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/12/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/19/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	6/25/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/18/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/16/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/25/2015	<1	<1	<1	<10	<10	<0.015	0.0023(J)	<0.01	<1	<1	<1	<1	<5	<1
	9/23/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/18/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/26/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/18/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/14/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/17/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/17/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/3/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/9/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-18	<i>upgradient</i>														
	4/3/2013	<1	<1	<1	<10	<10	<0.015	0.001(J)	<0.01	<1	<1	<1	<1	<5	<1
	6/12/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/25/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/12/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/19/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	6/25/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/18/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/17/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/24/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/29/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/22/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/16/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/12/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/20/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/13/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/18/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/3/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/10/2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/4/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/10/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-19	<i>upgradient</i>														
	4/2/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	6/12/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/25/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/11/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/19/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	6/25/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/18/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/16/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1

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MW-19 (cont.)	3/25/2015	<1	<1	<1	<10	<10	<0.015	0.0026(J)	<0.01	<1	<1	<1	<1	<5	<1
	9/24/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/17/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/25/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/18/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/14/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/17/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/17/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/3/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/9/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-20	<i>upgradient</i>														
	4/3/2013	<1	<1	<1	<10	<10	<0.015	0.0011(J)	<0.01	<1	<1	<1	<1	<5	<1
	6/12/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/26/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	12/12/2013	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/19/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	6/25/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/18/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	42	<1
	12/16/2014	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/24/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/18/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/29/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	0.792(J)	<1
	5/22/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/16/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/12/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	1.1	<1

B: analyte was detected in associated blank sample.

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-21	<i>upgradient</i>														
	11/5/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/11/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/18/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/25/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	11/30/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/1/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/18/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	8/17/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/14/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/17/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/18/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/4/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/3/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/9/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-22	<i>upgradient</i>														
	11/4/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/11/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/18/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/25/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	11/30/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/1/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/17/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	8/16/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/13/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/11/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/17/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1

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Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-22 (cont.)	12/4/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/3/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/9/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-23	<i>upgradient</i>														
	11/4/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/11/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/18/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/25/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	11/30/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/1/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/17/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	8/16/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/13/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/11/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/11/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/17/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/3/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/9/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
MW-24	<i>upgradient</i>														
	11/5/2015	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	2/10/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	5/19/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	8/28/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	11/30/2016	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/2/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	5/18/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	8/17/2017	<1	<1	<1	<10	<10(J)	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	11/14/2017	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1

B: analyte was detected in associated blank sample.

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Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
MW-24 (cont.)	6/12/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/17/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/19/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/24/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<1	<1	<1	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	6/10/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	9/14/2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/10/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	3/9/2021	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LEACHATE#1	<i>downgradient</i>														
	4/14/2010	<0.26	<0.24	1.8	<1.6	<2.6	0.016	<0.004	<0.0014	<0.38	<0.4	<0.22	<0.29	<2.5	<0.27
	10/12/2010	<1	<1	0.78(J)	<5	<5	0.016	<0.005	0.028	<1	<1	<1	<1	1.5(J)	<1
	4/13/2011	<1	<1	0.65(J)	<5	<5	0.22	<0.005	0.0019(J)	<1	<1	<1	<1	0.92(J)	<1
	12/6/2011	<1	<1	2.4	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	0.99	<1
	5/8/2012	<1	<1	0.76(J)	<10	<10	<0.015	0.00097(J)	0.0019(J)	<1	<1	<1	<1	0.41(J)	<1
	10/8/2012	<1	<1	1.4	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/20/2013	<1	<1	2	<10	<10	0.0049(J)	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/26/2013	<1	<1	0.66(J)	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	3/19/2014	<1	<1	1.3	<10	<10	0.005(J)	<0.005	<0.01	<1	<1	<1	<1	<5	<1
	9/17/2014	<1	<1	0.44(J)	<10	<10	0.011(J)	<0.005	0.0036(J)	<1	<1	<1	<1	<5	<1
	3/25/2015	<1	<1	<1	<10	<10	<0.015	0.0032(J)	<0.01	<1	<1	<1	<1	0.86(J)	<1
	9/24/2015	<1	<1	<1	<10	<10	0.0273	<0.005	0.00323	<1	<1	<1	<1	<5	<1
	2/19/2016	<1	<1	1.12	<10	<10	<0.015	<0.005	<0.01	<1	<1	<1	<1	0.803(J)	<1
	8/29/2016	<1	<1	1.36	<10	<10	0.015(J)	0.0014(J)	0.00346(J)	<1	<1	<1	<1	<5	<1
	3/6/2017	<1	<1	0.962(J)	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	0.414(J)	<1
	9/1/2017	<1	<1	0.541(J)	<10	<10(J)	<0.015	<0.005	0.00307(J)	<1	<1	<1	<1	0.503(J)	<1
	6/13/2018	<1	<1	<1	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/20/2018	<1	<1	1.9	<10	n/a	0.0047(J)	<0.005	0.00529(J)	<1	<1	<1	<1	1.09	<1
	6/20/2019	<1	<1	<1	<10	<10	0.00678(J)	<0.005	<0.01	<1	<1	<1	<1	<1	<1

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Sample ID	Date Sampled	cis-1,3-Dichloro- propene (µg/L)	trans-1,3-Dichloro- propene (µg/L)	Ethylbenzene (µg/L)	2-Hexanone (µg/L)	Iodomethane (µg/L)	2-Butanone [MEK] (mg/L)	Methylene chloride (mg/L)	4-Methyl-2-pentanone [MIBK] (mg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloro- ethane (µg/L)	1,1,2,2-Tetrachloro- ethane (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	1,1,1-Trichloroethane (µg/L)
LEACHATE#1 (cont.)	12/5/2019	<1	<1	0.43(J)	<10	<10	<0.015	<0.005	0.00302(J)	<1	<1	<1	<1	<1	<1
	6/10/2020	<10	<10	<10	<100	<100	<0.1	0.00914(B,J)	<0.1	<10	<10	<10	<10	<10	<10
	12/11/2020	<1	<1	0.308(J)	<10	<10	0.00986(J)	<0.005	0.00256(J)	<1	<1	<1	<1	<1	<1
LEACHATE#2	downgradient														
	6/13/2018	<1	<1	0.799(J)	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	0.873(J)	<1
	12/20/2018	<1	<1	4.61	<10	n/a	<0.01	<0.005	<0.01	<1	<1	<1	<1	1.01	<1
	6/20/2019	<1	<1	0.407(J)	<10	<10	0.00437(J)	<0.005	<0.01	<1	<1	<1	<1	<1	<1
	12/5/2019	<1	<1	<1	<10	<10	0.004(J)	<0.005	<0.01	<1	<1	<1	<1	0.854(J)	<1
	6/10/2020	<1	<1	<1	<10	<10	<0.01	0.000802(J)	<0.01	<1	<1	<1	<1	<1	<1
	12/11/2020	<1	<1	<1	<10	<10	<0.01	<0.005	<0.01	<1	<1	<1	<1	0.649(J)	<1

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-1	<i>downgradient</i>							
	10/27/1993	<1.66	2.62	<3.53	<4.32	<0.0009	<0.0037	<2.15
	3/15/1994	<0.87	0.99	<2.75	<2.17	<0.00104	<0.00055	<1.13
	6/14/1994	<0.87	1.89	3	<2.17	<0.00104	0.00156	2.68
	9/15/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	12/22/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	6/2/1995	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	12/14/1995	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	6/13/1996	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	11/26/1996	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	4/23/1997	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	10/8/1997	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	4/13/1998	<0.04	<0.06	<0.06	<0.3	<0.003	<0.0002	<0.05
	11/5/1998	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/1/1999	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/22/1999	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	5/10/2000	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/12/2000	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/26/2001	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/26/2001	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/10/2002	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	11/6/2002	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/18/2003	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	11/5/2003	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/29/2004	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/20/2004	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/27/2005	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/4/2005	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/26/2006	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	10/3/2006	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7

B: analyte was detected in associated blank sample.

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-1 (cont.)	4/11/2007	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	10/4/2007	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/21/2008	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	10/9/2008	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	6/11/2009	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	11/12/2009	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	4/13/2010	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.00086
	10/11/2010	<1	<1	<5	<1	<0.005	<0.001	<0.003
	4/12/2011	<1	<1	<5	<2.5	<0.005	<0.001	<0.003
	12/6/2011	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/7/2012	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	10/8/2012	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/19/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/24/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/18/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/16/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/24/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/24/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/9/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/25/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/1/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/6/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/24/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/1/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	11/17/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/14/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/14/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-1 (cont.)	3/18/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/14/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/24/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/3/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/13/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/3/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/15/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/8/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/11/2021	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-2	<i>upgradient</i>							
	10/27/1993	<1.66	<2.23	<3.53	<4.32	<0.0009	<0.0037	<2.15
	3/15/1994	<0.87	<0.74	9.09	<2.17	<0.00104	<0.00055	<1.13
	6/14/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	9/15/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	12/22/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	6/2/1995	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	12/14/1995	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	6/13/1996	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	11/26/1996	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	4/23/1997	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	10/8/1997	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	4/13/1998	<0.04	<0.06	<0.06	<0.3	<0.003	<0.0002	<0.05
	11/5/1998	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/1/1999	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/22/1999	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	5/10/2000	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/12/2000	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/26/2001	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/26/2001	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/10/2002	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-2 (cont.)	11/6/2002	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/18/2003	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	11/5/2003	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/29/2004	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/20/2004	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/27/2005	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/4/2005	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/26/2006	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	10/3/2006	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/11/2007	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	10/4/2007	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/21/2008	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	10/9/2008	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	6/11/2009	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	11/12/2009	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	4/13/2010	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.00086
	10/11/2010	<1	<1	<5	<1	<0.005	<0.001	<0.003
	4/12/2011	<1	<1	<5	<2.5	<0.005	<0.001	<0.003
	12/6/2011	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/7/2012	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	10/8/2012	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/19/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/24/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/18/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/16/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/24/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/23/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/9/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/24/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/1/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-2 (cont.)	3/3/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/23/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/31/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	11/17/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/12/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/12/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/12/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/12/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/12/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/24/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/3/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/12/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/2/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/14/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/8/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/11/2021	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-3	<i>downgradient</i>							
	10/27/1993	<1.66	<2.23	<3.53	<4.32	<0.0009	<0.0037	<2.15
	3/15/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	6/14/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	9/15/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	12/22/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	6/2/1995	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	12/14/1995	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	6/13/1996	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	11/26/1996	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	4/23/1997	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	10/8/1997	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	4/13/1998	<0.04	<0.06	<0.06	<0.3	<0.003	<0.0002	<0.05

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Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-3 (cont.)	11/5/1998	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/1/1999	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/22/1999	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	5/10/2000	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/12/2000	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/26/2001	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/26/2001	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/10/2002	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	11/6/2002	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/18/2003	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	11/5/2003	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/29/2004	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/20/2004	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/27/2005	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/4/2005	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/26/2006	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	10/3/2006	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/11/2007	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	10/4/2007	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/21/2008	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	10/9/2008	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	6/11/2009	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	11/12/2009	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	4/13/2010	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.00086
	10/11/2010	<1	<1	<5	<1	<0.005	<0.001	<0.003
	4/12/2011	<1	<1	<5	<2.5	<0.005	<0.001	<0.003
	12/6/2011	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/7/2012	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	10/8/2012	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/20/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003

B: analyte was detected in associated blank sample.

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O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-3 (cont.)	9/25/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/18/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/16/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/24/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/21/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/17/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/24/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/1/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/6/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/24/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/1/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	11/17/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/18/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/13/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/24/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/3/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/13/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/2/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/15/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/8/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/11/2021	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-4	<i>downgradient</i>							
	10/27/1993	<1.66	<2.23	<3.53	<4.32	<0.0009	<0.0037	<2.15
	3/15/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	6/14/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-4 (cont.)	9/15/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	12/22/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	6/2/1995	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	12/14/1995	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	6/13/1996	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	11/26/1996	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	4/23/1997	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	10/8/1997	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	4/13/1998	<0.04	<0.06	<0.06	<0.3	<0.003	<0.0002	<0.05
	11/5/1998	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/1/1999	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
MW-4R	<i>downgradient</i>							
	10/22/1999	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	5/10/2000	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/12/2000	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/26/2001	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/26/2001	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/10/2002	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	11/6/2002	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/18/2003	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	11/5/2003	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/29/2004	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/20/2004	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/27/2005	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/4/2005	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/26/2006	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	10/3/2006	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/11/2007	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7

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O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-4R	10/4/2007	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
(cont.)	4/21/2008	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	10/9/2008	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
MW-4R2	<i>downgradient</i>							
	6/11/2009	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	11/12/2009	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	4/14/2010	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.00086
	10/12/2010	<1	<1	<5	<1	<0.005	<0.001	<0.003
	4/13/2011	<1	<1	<5	<2.5	<0.005	<0.001	<0.003
	12/6/2011	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/7/2012	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	10/8/2012	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/20/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/25/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/18/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/16/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/24/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/23/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/9/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/24/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/3/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/23/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/1/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	11/17/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/12/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/12/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/12/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/12/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/12/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003

B: analyte was detected in associated blank sample.

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-4R2 (cont.)	9/24/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/3/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/12/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/2/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/14/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/8/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/11/2021	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-5	<i>downgradient</i>							
	6/14/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	9/15/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	12/22/1994	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	6/2/1995	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	12/14/1995	<0.87	<0.74	<2.75	<2.17	<0.00104	<0.00055	<1.13
	6/13/1996	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	11/26/1996	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	4/23/1997	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	10/8/1997	<0.4	<0.76	<0.32	<1.3	<0.01	<0.00068	<0.52
	4/13/1998	<0.04	<0.06	<0.06	<0.3	<0.003	<0.0002	<0.05
	11/5/1998	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/1/1999	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/22/1999	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	5/10/2000	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/12/2000	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/26/2001	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/26/2001	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/10/2002	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	11/6/2002	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/18/2003	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-5R	<i>downgradient</i>							
	11/5/2003	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/29/2004	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/20/2004	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/27/2005	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/4/2005	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/26/2006	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	10/3/2006	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/11/2007	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	10/4/2007	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/21/2008	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	10/9/2008	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	6/11/2009	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	11/12/2009	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	4/14/2010	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.00086
	10/12/2010	<1	<1	<5	<1	<0.005	<0.001	<0.003
	4/13/2011	<1	<1	<5	<2.5	<0.005	<0.001	<0.003
	12/6/2011	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/7/2012	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	10/8/2012	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/20/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/25/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/18/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/17/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/24/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/23/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/9/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/24/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/3/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-5R (cont.)	5/23/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/1/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	11/17/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/13/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/13/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/24/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/3/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/12/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/2/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/14/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/8/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/11/2021	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-6	<i>downgradient</i>							
	11/5/2003	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/29/2004	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/20/2004	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	4/27/2005	<0.5	<0.5	<0.5	<0.5	<0.005	<0.0002	<0.5
	10/4/2005	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/26/2006	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	10/3/2006	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/11/2007	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	10/4/2007	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.7
	4/21/2008	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	10/9/2008	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	6/11/2009	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86
	11/12/2009	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.86

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-6 (cont.)	4/14/2010	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	<0.00086
	10/12/2010	<1	<1	<5	<1	<0.005	<0.001	<0.003
	4/13/2011	<1	<1	<5	<2.5	<0.005	<0.001	<0.003
	12/6/2011	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/8/2012	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	10/8/2012	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/20/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/25/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/19/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/17/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/24/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/23/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/9/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/23/2016	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	8/24/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/6/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/23/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/1/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	11/17/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/14/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/13/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/24/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/3/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/13/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/2/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-6 (cont.)	9/14/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/8/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/11/2021	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
OB-1	<i>upgradient</i>							
	4/11/2007	<0.22	<0.57	<0.21	<0.34	<0.00034	<0.00026	<0.00017
	11/30/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/1/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/17/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/16/2017	<1	<1(J4)	<5(J4)	<2.5	<0.01	<0.001	<0.003
	11/13/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/12/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/11/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/12/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/11/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/12/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/12/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/24/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/3/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/10/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/2/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/14/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/8/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/9/2021	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-10	<i>upgradient</i>							
	4/2/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/12/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/25/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/11/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/19/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/25/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003

B: analyte was detected in associated blank sample.

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-10 (cont.)	9/18/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/16/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/25/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/24/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/18/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/25/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/18/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	11/14/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/11/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/17/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/19/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/10/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/10/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-11	<i>upgradient</i>							
	11/5/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/10/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/19/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/28/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/1/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/2/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/19/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/17/2017	<1	<1(J4)	<5(J4)	<2.5	<0.01	<0.001	<0.003
	11/14/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/11/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/17/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/13/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/20/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/5/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-11 (cont.)	6/10/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/9/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/9/2021	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	4/19/2021	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MW-12	<i>downgradient</i>							
	11/5/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/10/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/19/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/28/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/1/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/2/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/19/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/17/2017	<1	<1(J4)	<5(J4)	<2.5	<0.01	<0.001	<0.003
	11/14/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/11/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/17/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/13/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/20/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/5/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/10/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/10/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-13	<i>downgradient</i>							
	11/5/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/10/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/19/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/28/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/1/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/2/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/24/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/18/2017	<1	<1(J4)	<5(J4)	<2.5	<0.01	<0.001	<0.003

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-13 (cont.)	11/14/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/11/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/19/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/20/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/5/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/10/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/10/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-14	<i>downgradient</i>							
	11/6/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/18/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/23/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/29/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/1/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/2/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/22/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/18/2017	<1	<1(J4)	<5(J4)	<2.5	<0.01	<0.001	<0.003
	11/16/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/19/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/19/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/24/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/5/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/10/2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/5/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/11/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-15	<i>downgradient</i>							
	4/3/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	4/3/2013	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/12/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-15 (cont.)	9/25/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/12/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/19/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-15R	<i>downgradient</i>							
	11/6/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/23/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/29/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/1/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/2/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/23/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/18/2017	<1	<1(J4)	<5(J4)	<2.5	<0.01	<0.001	<0.003
	11/16/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/13/2018	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/19/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/19/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/3/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/4/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/10/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-16	<i>downgradient</i>							
	11/5/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/29/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/5/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/2/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/23/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/18/2017	<1	<1(J4)	<5(J4)	<2.5	<0.01	<0.001	<0.003
	11/16/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/14/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/12/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/20/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003

B: analyte was detected in associated blank sample.

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-16 (cont.)	6/18/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/4/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/12/2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/4/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/10/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-17	<i>upgradient</i>							
	4/2/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/12/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/26/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/12/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/19/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/25/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/18/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/16/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/25/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/23/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/18/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/26/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/18/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	11/14/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/11/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/17/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/17/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/3/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/9/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003

B: analyte was detected in associated blank sample.

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O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-18	<i>upgradient</i>							
	4/3/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/12/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/25/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/12/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/19/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/25/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/18/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/17/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/24/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/29/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/22/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	11/16/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/12/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/20/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/13/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/18/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/3/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/10/2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/4/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/10/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-19	<i>upgradient</i>							
	4/2/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/12/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/25/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/11/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/19/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/25/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/18/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/16/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003

B: analyte was detected in associated blank sample.

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Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-19 (cont.)	3/25/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/24/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/17/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/25/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/18/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	11/14/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/11/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/17/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/17/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/3/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/9/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-20	<i>upgradient</i>							
	4/3/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/12/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/26/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/12/2013	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/19/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/25/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/18/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/16/2014	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/24/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/18/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/29/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/22/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	11/16/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/12/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-21	<i>upgradient</i>							
	11/5/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/11/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/18/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/25/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	11/30/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/1/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/18/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/17/2017	<1	<1(J4)	<5(J4)	<2.5	<0.01	<0.001	<0.003
	11/14/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/11/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/17/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/18/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/4/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/3/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/9/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-22	<i>upgradient</i>							
	11/4/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/11/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/18/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/25/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	11/30/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/1/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/17/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/16/2017	<1	<1(J4)	<5(J4)	<2.5	<0.01	<0.001	<0.003
	11/13/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/11/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/11/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/17/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-22 (cont.)	12/4/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/3/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/9/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-23	<i>upgradient</i>							
	11/4/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/11/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/18/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/25/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	11/30/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/1/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/17/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/16/2017	<1	<1(J4)	<5(J4)	<2.5	<0.01	<0.001	<0.003
	11/13/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/11/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/11/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/17/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/23/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/3/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/9/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
MW-24	<i>upgradient</i>							
	11/5/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/10/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/19/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/28/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	11/30/2016	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/2/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	5/18/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	8/17/2017	<1	<1(J4)	<5(J4)	<2.5	<0.01	<0.001	<0.003
	11/14/2017	<1	<1	<5	<2.5	<0.01	<0.001	<0.003

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
MW-24 (cont.)	6/12/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/17/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/19/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/24/2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/4/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	6/10/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	9/14/2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/10/2020	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	3/9/2021	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LEACHATE#1	<i>downgradient</i>							
	4/14/2010	<0.45	<0.37	<0.29	<0.36	<0.001	<0.00027	0.0052
	10/12/2010	<1	<1	<5	<1	<0.005	0.00055(J)	0.0029(J)
	4/13/2011	<1	<1	<5	<2.5	<0.005	<0.001	0.0022(J)
	12/6/2011	<1	<1	<5	<2.5	<0.01	<0.001	0.0069
	5/8/2012	<1	<1	<5	<2.5	<0.01	<0.001	0.0023(J)
	10/8/2012	<1	<1	<5	<2.5	<0.01	<0.001	0.0035
	3/20/2013	<1	<1	<5	<2.5	<0.01	0.00034(J)	0.0062
	9/26/2013	<1	<1	<5	<2.5	<0.01	<0.001	0.0018(J)
	3/19/2014	<1	<1	<5	<2.5	<0.01	<0.001	0.0027
	9/17/2014	<1	<1	<5	<2.5	<0.01	<0.001	0.0014(J)
	3/25/2015	<1	<1	<5	<2.5	<0.01	<0.001	0.0015(J)
	9/24/2015	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	2/19/2016	<1	<1	<5	<2.5	<0.01	<0.001	0.00328
	8/29/2016	<1	<1	<5	<2.5	<0.01	<0.001	0.00452
	3/6/2017	<1	<10	<5	<2.5	<0.01	<0.001	0.00297(J)
	9/1/2017	<1	<1	<5	<2.5	<0.01	<0.001	0.00238(J)
	6/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	<0.003
	12/20/2018	<1	<1	<5	<2.5	<0.01	<0.001	0.0059
	6/20/2019	<1	<1	<5	<2.5	<0.01	<0.001	<0.003

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

Historical Database, Mississippi County Class 1 Landfill

Sample ID	Date Sampled	1,1,2-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Trichlorofluoromethane (µg/L)	1,2,3-Trichloro- propane (µg/L)	Vinyl acetate (mg/L)	Vinyl chloride (mg/L)	Xylenes, Total (mg/L)
LEACHATE#1 (cont.)	12/5/2019	<1	<1	<5	<2.5	<0.01	<0.001	0.00154(J)
	6/10/2020	<10	<10	<50	<25	<0.1	<0.01	<0.03
	12/11/2020	<1	<1	<5	<2.5	<0.01	<0.001	0.0012(J)
LEACHATE#2	<i>downgradient</i>							
	6/13/2018	<1	<1	<5	<2.5	<0.01	<0.001	0.00953
	12/20/2018	<1	<1	<5	<2.5	<0.01	<0.001	0.0347
	6/20/2019	<1	<1	<5	<2.5	<0.01	<0.001	0.00383
	12/5/2019	<1	<1	<5	<2.5	<0.01	<0.001	0.0145
	6/10/2020	0.245(J)	<1	<5	<2.5	<0.01	0.000493(J)	0.00112(J)
	12/11/2020	<1	<1	<5	<2.5	<0.01	<0.001	0.00576

B: analyte was detected in associated blank sample.

J: analyte was detected below the RDL; value is an estimate.

O: value is a statistical outlier.

R: value was rejected due to suspected error; not used in statistics.

APPENDIX D

Background Data Sets Used for Statistics

BACKGROUND DATA

Background Data for Prediction Limit Evaluations

EPA guidance recommends updating background data sets to include more recent observations because some long-term fluctuation in background levels may be possible, even though a given well has not been impacted by the landfill. Background populations are updated in accordance with the landfill's groundwater sampling and analysis plan (GWSAP) and when at least four compliance data values have been collected. Background data sets used for prediction limit evaluations are attached to this document.

A background update was performed prior to the first quarter 2020 statistical analysis comparing the existing background data to compliance data through December 2019 for all wells except for well-parameter pairs that had been identified as confirmed SSIs/SSDs. Due to a statistical error identified at well MW-3 during the fourth quarter 2020 monitoring period, background data sets that had not been updated during the previous background update were reviewed for trends and compared to site background concentrations. Background data sets were updated to include more recent data if there was no period-of-record trend and concentrations at the well were at or below background concentrations. Background data sets for parameters with primarily nondetect or trace values (e.g., beryllium, cobalt, silver, vanadium, and zinc) were updated for all wells to include data from November 2015 through December 2019 in order to remove historical nondetect values with different reporting limits. Background data sets for well-parameter pairs in assessment monitoring were not updated. Updated background data sets used for prediction limit evaluations and trend tests over updated background date ranges are attached to the end of this document.

Mann-Kendall/Sen's Estimate of Slope Test

EPA guidance recommends screening background populations for statistically significant trends, because some tests (such as a prediction limit test) require a stationary statistical distribution for valid results. The presence of statistically significant trends in background data may violate key assumptions of some statistical tests and require an alternate approach to testing

the data. If trends are indicated in background populations, testing strategies that either correct for, or are not sensitive to, temporal variation may be required.

Background data sets were screened for statistically significant trends using the Mann-Kendall/Sen's slope test for trends in accordance with EPA guidance and the landfill's approved GWSAP. Well-parameter pairs that contain statistically significant trends in the background data set are identified in Table D.1. These well-parameter pairs are tested for compliance with the Mann-Kendall/Sen's slope test for trends. Should the data cease to exhibit a statistically significant trend as the result of future detection monitoring values, the well-parameter pair will be tested using an intrawell prediction limit during the following monitoring period.

Table D.1. Well-parameter pairs to be analyzed using Mann-Kendall/Sen's estimate of slope test.

Parameter	Well
Barium	MW-20
Beryllium	MW-10, MW-18, MW-19
Chloride	MW-17, MW-19
Cobalt	MW-19
Copper	MW-17
Selenium	MW-19
Sulfate	MW-19, MW-21
TDS	MW-19
Zinc	MW-17, MW-19, MW-20

Outliers in Background

EPA's Unified Guidance recommends that background data be screened for potential outliers. However, it also advises that outliers not be removed unless a source of error or reason for the discrepancy can be identified. As advised in the Unified Guidance, select removal of extreme outliers without knowledge of error may be warranted to improve environmental protection, but removal of all outliers can mask real and legitimate changes in background data. Some data have been flagged and excluded from statistical analysis because they are suspect values, data with independent evidence of error or statistical outliers. Excluded data are listed in Table D.2, with the reasons for their exclusion.

Table D.2. Flagged data in historical database due to suspect data or independent evidence of error.

Well ID	Date	Constituent	Value (mg/L)	Remarks
MW-1	10/27/1993	Barium	0.0100	Flagged as rejected because value is widely dissimilar to subsequent data from this well/parameter in the database.
MW-1	11/26/1996	Iron	2.70	Flagged as rejected because value is widely dissimilar to subsequent data from this well/parameter in the database.
MW-1	10/27/1993	Manganese	0.0160	Flagged as rejected because value is widely dissimilar to subsequent data from this well/parameter in the database.
MW-2	9/24/2013	Nickel	0.0180	Flagged as an outlier.
MW-3	10/27/1993	Arsenic	<0.0500	Flagged as rejected because value is widely dissimilar to subsequent data from this well/parameter in the database.
MW-3	6/11/2009	TOC	16.0	Flagged as an outlier.
MW-3	5/7/2012	TOC	19.0	Flagged as an outlier.
MW-4R2	2/9/2016	pH	8.5 su	Flagged as rejected because value is widely dissimilar to subsequent data from this well/parameter in the database.
MW-6	10/8/2012	Sulfate	48.0	Flagged as an outlier.
MW-11	3/9/2021	pH	7.1 su	Flagged as rejected due to suspected equipment malfunction.
MW-13	11/5/2015	Chloride	7.60	Flagged as an outlier.
MW-18	12/3/2019	Selenium	0.0220	Flagged as an outlier.
MW-21	5/18/2016	Barium	12.7	Flagged as rejected because value is widely dissimilar to subsequent data from this well/parameter in the database.
MW-24	5/19/2016	Dissolved Solids	<10.0	Flagged as an outlier.

Background Data Sets

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Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Antimony (mg/l)

MW-1 background:3/24/2015-12/5/2019
MW-2 background:3/24/2015-12/5/2019
MW-3 background:9/16/2014-12/5/2019
MW-4R2 background:3/24/2015-12/5/2019
MW-5R background:3/24/2015-12/5/2019
MW-6 background:10/27/1993-12/5/2019
MW-10 background:4/2/2013-12/5/2019
MW-11 background:11/4/2015-12/5/2019
MW-12 background:11/4/2015-12/5/2019
MW-13 background:11/4/2015-12/5/2019
MW-14 background:11/4/2015-12/5/2019
MW-15R background:11/4/2015-12/5/2019
MW-16 background:11/4/2015-12/5/2019
MW-17 background:4/2/2013-12/5/2019
MW-18 background:4/2/2013-12/5/2019
MW-19 background:4/2/2013-12/5/2019
MW-20 background:4/2/2013-11/17/2017
MW-21 background:11/4/2015-12/5/2019
MW-22 background:11/4/2015-12/5/2019
MW-23 background:11/4/2015-12/5/2019
MW-24 background:11/4/2015-12/5/2019

Arsenic (mg/l)

MW-1 background:10/27/1993-6/11/2009
MW-2 background:4/26/2006-12/5/2019
MW-3 background:10/27/1993-12/5/2019
MW-4R2 background:10/27/1993-3/19/2014
MW-5R background:10/27/1993-12/5/2019
MW-6 background:4/26/2006-12/5/2019
MW-10 background:4/2/2013-12/5/2019
MW-11 background:11/4/2015-12/5/2019
MW-12 background:11/4/2015-12/5/2019
MW-13 background:11/4/2015-12/5/2019
MW-14 background:11/4/2015-12/5/2019
MW-15R background:11/4/2015-12/5/2019
MW-16 background:11/4/2015-12/5/2019
MW-17 background:4/2/2013-12/5/2019
MW-18 background:4/2/2013-12/5/2019
MW-19 background:4/2/2013-12/5/2019
MW-20 background:4/2/2013-11/17/2017
MW-21 background:11/4/2015-12/5/2019
MW-22 background:11/4/2015-12/5/2019
MW-23 background:11/4/2015-12/5/2019
MW-24 background:11/4/2015-12/5/2019

Barium (mg/l)

MW-1 background:10/27/1993-4/26/2001
MW-2 background:10/27/1993-4/13/2011
MW-3 background:10/27/1993-4/27/2005
MW-4R2 background:10/27/1993-12/5/2019
MW-5R background:10/27/1993-4/3/2013
MW-6 background:11/5/2003-12/5/2019
MW-10 background:4/2/2013-12/5/2019
MW-11 background:11/4/2015-11/16/2017
MW-12 background:11/4/2015-12/5/2019
MW-13 background:11/4/2015-12/5/2019
MW-14 background:11/4/2015-12/5/2019
MW-15R background:11/4/2015-12/5/2019
MW-16 background:11/4/2015-3/14/2018
MW-17 background:4/2/2013-12/5/2019
MW-18 background:4/2/2013-12/5/2019
MW-19 background:4/2/2013-12/5/2019
MW-20 background:4/2/2013-11/16/2017
MW-21 background:11/4/2015-12/5/2019

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Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

MW-22 background:11/4/2015-12/5/2019
 MW-23 background:11/4/2015-12/5/2019
 MW-24 background:11/4/2015-12/5/2019
 Beryllium (mg/l)
 MW-1 background:11/4/2015-12/5/2019
 MW-2 background:11/4/2015-12/5/2019
 MW-3 background:11/4/2015-12/5/2019
 MW-4R2 background:11/4/2015-12/5/2019
 MW-5R background:11/4/2015-12/5/2019
 MW-6 background:11/4/2015-12/5/2019
 MW-10 background:11/4/2015-12/5/2019
 MW-11 background:11/4/2015-12/5/2019
 MW-12 background:11/4/2015-12/5/2019
 MW-13 background:11/4/2015-12/5/2019
 MW-14 background:11/4/2015-12/5/2019
 MW-15R background:11/4/2015-12/5/2019
 MW-16 background:11/4/2015-12/5/2019
 MW-17 background:11/4/2015-12/5/2019
 MW-18 background:9/21/2015-12/5/2019
 MW-19 background:11/4/2015-12/5/2019
 MW-20 background:4/2/2013-11/17/2017
 MW-21 background:11/4/2015-12/5/2019
 MW-22 background:11/4/2015-12/5/2019
 MW-23 background:11/4/2015-12/5/2019
 MW-24 background:11/4/2015-12/5/2019

Cadmium (mg/l)
 MW-1 background:9/16/2014-12/5/2019
 MW-2 background:9/16/2014-12/5/2019
 MW-3 background:9/16/2014-12/5/2019
 MW-4R2 background:9/16/2014-12/5/2019
 MW-5R background:10/27/1993-12/5/2019
 MW-6 background:10/27/1993-12/5/2019
 MW-10 background:4/2/2013-12/5/2019
 MW-11 background:11/4/2015-12/5/2019
 MW-12 background:11/4/2015-12/5/2019
 MW-13 background:11/4/2015-12/5/2019
 MW-14 background:11/4/2015-12/5/2019
 MW-15R background:11/4/2015-12/5/2019
 MW-16 background:11/4/2015-12/5/2019
 MW-17 background:4/2/2013-12/5/2019
 MW-18 background:4/2/2013-12/5/2019
 MW-19 background:4/2/2013-12/5/2019
 MW-20 background:4/2/2013-11/16/2017
 MW-21 background:11/4/2015-12/5/2019
 MW-22 background:11/4/2015-12/5/2019
 MW-23 background:11/4/2015-12/5/2019
 MW-24 background:11/4/2015-12/5/2019

Chloride (mg/l)
 MW-1 background:10/27/1993-3/14/2018
 MW-2 background:10/27/1993-3/14/2018
 MW-3 background:10/27/1993-10/22/1999
 MW-4R2 background:10/27/1993-3/14/2018
 MW-5R background:10/27/1993-4/13/2011
 MW-6 background:10/27/1993-4/3/2013
 MW-10 background:4/2/2013-11/16/2017
 MW-11 background:11/4/2015-12/5/2019
 MW-12 background:11/4/2015-12/5/2019
 MW-13 background:11/4/2015-12/5/2019
 MW-14 background:11/4/2015-12/5/2019
 MW-15R background:11/4/2015-12/5/2019
 MW-16 background:11/4/2015-12/5/2019
 MW-17 background:4/2/2013-11/16/2017
 MW-18 background:4/2/2013-12/5/2019

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Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

MW-19 background:4/2/2013-11/16/2017
MW-20 background:4/2/2013-11/16/2017
MW-21 background:11/4/2015-11/16/2017
MW-22 background:11/4/2015-12/5/2019
MW-23 background:11/4/2015-12/5/2019
MW-24 background:11/4/2015-11/16/2017

Chromium (mg/l)

MW-1 background:4/13/2010-12/5/2019
MW-2 background:4/13/2010-12/5/2019
MW-3 background:4/13/2010-12/5/2019
MW-4R2 background:10/27/1993-12/5/2019
MW-5R background:4/13/2010-12/5/2019
MW-6 background:4/13/2010-12/5/2019
MW-10 background:4/2/2013-12/5/2019
MW-11 background:11/4/2015-12/5/2019
MW-12 background:11/4/2015-12/5/2019
MW-13 background:11/4/2015-12/5/2019
MW-14 background:11/4/2015-12/5/2019
MW-15R background:11/4/2015-12/5/2019
MW-16 background:11/4/2015-12/5/2019
MW-17 background:4/2/2013-12/5/2019
MW-18 background:4/2/2013-12/5/2019
MW-19 background:4/2/2013-12/5/2019
MW-20 background:4/2/2013-11/16/2017
MW-21 background:11/4/2015-12/5/2019
MW-22 background:11/4/2015-12/5/2019
MW-23 background:11/4/2015-12/5/2019
MW-24 background:11/4/2015-12/5/2019

Cobalt (mg/l)

MW-1 background:11/4/2015-12/5/2019
MW-2 background:11/4/2015-12/5/2019
MW-3 background:11/4/2015-12/5/2019
MW-4R2 background:11/4/2015-12/5/2019
MW-5R background:11/4/2015-12/5/2019
MW-6 background:11/4/2015-12/5/2019
MW-10 background:11/4/2015-12/5/2019
MW-11 background:11/4/2015-12/5/2019
MW-12 background:11/4/2015-12/5/2019
MW-13 background:11/4/2015-12/5/2019
MW-14 background:11/4/2015-12/5/2019
MW-15R background:11/4/2015-12/5/2019
MW-16 background:11/4/2015-12/5/2019
MW-17 background:11/4/2015-12/5/2019
MW-18 background:9/21/2015-12/5/2019
MW-19 background:11/4/2015-12/5/2019
MW-20 background:4/2/2013-11/16/2017
MW-21 background:11/4/2015-12/5/2019
MW-22 background:11/4/2015-12/5/2019
MW-23 background:11/4/2015-12/5/2019
MW-24 background:11/4/2015-12/5/2019

Copper (mg/l)

MW-1 background:4/11/2007-12/5/2019
MW-2 background:4/11/2007-12/5/2019
MW-3 background:4/11/2007-12/5/2019
MW-4R2 background:9/16/2014-12/5/2019
MW-5R background:10/27/1993-12/5/2019
MW-6 background:4/11/2007-12/5/2019
MW-10 background:4/2/2013-12/5/2019
MW-11 background:11/4/2015-12/5/2019
MW-12 background:11/4/2015-12/5/2019
MW-13 background:11/4/2015-12/5/2019
MW-14 background:11/4/2015-12/5/2019
MW-15R background:11/4/2015-12/5/2019

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Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

MW-16 background:11/4/2015-12/5/2019
MW-17 background:4/2/2013-12/5/2019
MW-18 background:4/2/2013-12/5/2019
MW-19 background:4/2/2013-12/5/2019
MW-20 background:4/2/2013-11/16/2017
MW-21 background:11/4/2015-12/5/2019
MW-22 background:11/4/2015-12/5/2019
MW-23 background:11/4/2015-12/5/2019
MW-24 background:11/4/2015-12/5/2019

Dissolved Solids (mg/l)

MW-1 background:10/27/1993-10/12/2000
MW-2 background:10/27/1993-12/5/2019
MW-3 background:10/27/1993-4/10/2002
MW-4R2 background:10/27/1993-12/5/2019
MW-5R background:10/27/1993-11/6/2015
MW-6 background:10/27/1993-11/6/2015
MW-10 background:4/2/2013-11/16/2017
MW-11 background:11/4/2015-12/5/2019
MW-12 background:11/4/2015-12/5/2019
MW-13 background:11/4/2015-12/5/2019
MW-14 background:11/4/2015-12/5/2019
MW-15R background:11/4/2015-12/5/2019
MW-16 background:11/4/2015-12/5/2019
MW-17 background:4/2/2013-12/5/2019
MW-18 background:4/2/2013-12/5/2019
MW-19 background:4/2/2013-11/16/2017
MW-20 background:4/2/2013-11/16/2017
MW-21 background:11/4/2015-12/5/2019
MW-22 background:11/4/2015-12/5/2019
MW-23 background:11/4/2015-12/5/2019
MW-24 background:11/4/2015-12/5/2019

Iron (mg/l)

MW-1 background:10/27/1993-4/3/2013
MW-2 background:10/27/1993-3/14/2018
MW-3 background:10/27/1993-4/26/2006
MW-4R2 background:6/11/2009-12/5/2019
MW-5R background:10/27/1993-4/3/2013
MW-6 background:6/11/2009-12/5/2019
MW-10 background:4/2/2013-12/5/2019
MW-11 background:11/4/2015-12/5/2019
MW-12 background:11/4/2015-12/5/2019
MW-13 background:11/4/2015-12/5/2019
MW-14 background:11/4/2015-12/5/2019
MW-15R background:11/4/2015-12/5/2019
MW-16 background:11/4/2015-12/5/2019
MW-17 background:4/2/2013-12/5/2019
MW-18 background:4/2/2013-12/5/2019
MW-19 background:4/2/2013-12/5/2019
MW-20 background:4/2/2013-11/16/2017
MW-21 background:11/4/2015-12/5/2019
MW-22 background:11/4/2015-12/5/2019
MW-23 background:11/4/2015-12/5/2019
MW-24 background:11/4/2015-12/5/2019

Lead (mg/l)

MW-1 background:10/27/1993-12/5/2019
MW-2 background:10/27/1993-12/5/2019
MW-3 background:10/27/1993-12/5/2019
MW-4R2 background:10/27/1993-12/5/2019
MW-5R background:10/27/1993-12/5/2019
MW-6 background:10/27/1993-12/5/2019
MW-10 background:4/2/2013-12/5/2019
MW-11 background:11/4/2015-12/5/2019
MW-12 background:11/4/2015-12/5/2019

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Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

MW-13 background:11/4/2015-12/5/2019
 MW-14 background:11/4/2015-12/5/2019
 MW-15R background:11/4/2015-12/5/2019
 MW-16 background:11/4/2015-12/5/2019
 MW-17 background:4/2/2013-12/5/2019
 MW-18 background:4/2/2013-12/5/2019
 MW-19 background:4/2/2013-12/5/2019
 MW-20 background:4/2/2013-11/16/2017
 MW-21 background:11/4/2015-12/5/2019
 MW-22 background:11/4/2015-12/5/2019
 MW-23 background:11/4/2015-12/5/2019
 MW-24 background:11/4/2015-12/5/2019

Manganese (mg/l)

MW-1 background:4/1/1999-3/14/2018
 MW-2 background:10/27/1993-12/5/2019
 MW-3 background:10/27/1993-12/5/2019
 MW-4R2 background:6/11/2009-12/5/2019
 MW-5R background:11/5/2003-3/14/2018
 MW-6 background:10/27/1993-12/5/2019
 MW-10 background:4/2/2013-12/5/2019
 MW-11 background:11/4/2015-11/16/2017
 MW-12 background:11/4/2015-12/5/2019
 MW-13 background:11/4/2015-12/5/2019
 MW-14 background:11/4/2015-12/5/2019
 MW-15R background:11/4/2015-12/5/2019
 MW-16 background:11/4/2015-12/5/2019
 MW-17 background:4/2/2013-12/5/2019
 MW-18 background:4/2/2013-12/5/2019
 MW-19 background:4/2/2013-11/16/2017
 MW-20 background:4/2/2013-11/16/2017
 MW-21 background:11/4/2015-12/5/2019
 MW-22 background:11/4/2015-12/5/2019
 MW-23 background:11/4/2015-12/5/2019
 MW-24 background:11/4/2015-12/5/2019

Nickel (mg/l)

MW-1 background:4/13/2010-12/5/2019
 MW-2 background:4/13/2010-12/5/2019
 MW-3 background:4/13/2010-3/14/2018
 MW-4R2 background:4/13/2010-12/5/2019
 MW-5R background:4/13/2010-12/5/2019
 MW-6 background:10/27/1993-12/5/2019
 MW-10 background:4/2/2013-12/5/2019
 MW-11 background:11/4/2015-12/5/2019
 MW-12 background:11/4/2015-12/5/2019
 MW-13 background:11/4/2015-12/5/2019
 MW-14 background:11/4/2015-12/5/2019
 MW-15R background:11/4/2015-12/5/2019
 MW-16 background:11/4/2015-12/5/2019
 MW-17 background:4/2/2013-12/5/2019
 MW-18 background:4/2/2013-12/5/2019
 MW-19 background:4/2/2013-12/5/2019
 MW-20 background:4/2/2013-11/16/2017
 MW-21 background:11/4/2015-12/5/2019
 MW-22 background:11/4/2015-12/5/2019
 MW-23 background:11/4/2015-12/5/2019
 MW-24 background:11/4/2015-12/5/2019

pH (SU)

MW-1 background:10/27/1993-12/5/2019
 MW-2 background:10/27/1993-12/5/2019
 MW-3 background:10/27/1993-12/5/2019
 MW-4R2 background:6/11/2009-12/5/2019
 MW-5R background:11/5/2003-12/5/2019
 MW-6 background:11/5/2003-12/5/2019

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Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

MW-10 background:4/2/2013-12/5/2019
 MW-11 background:11/4/2015-12/5/2019
 MW-12 background:11/4/2015-12/5/2019
 MW-13 background:11/4/2015-12/5/2019
 MW-14 background:11/4/2015-12/5/2019
 MW-15R background:11/4/2015-12/5/2019
 MW-16 background:11/4/2015-12/5/2019
 MW-17 background:4/2/2013-12/5/2019
 MW-18 background:4/2/2013-12/5/2019
 MW-19 background:4/2/2013-12/5/2019
 MW-20 background:4/2/2013-11/16/2017
 MW-21 background:11/4/2015-12/5/2019
 MW-22 background:11/4/2015-12/5/2019
 MW-23 background:11/4/2015-12/5/2019
 MW-24 background:11/4/2015-12/5/2019

Selenium (mg/l)

MW-1 background:9/16/2014-12/5/2019
 MW-2 background:3/24/2015-12/5/2019
 MW-3 background:3/24/2015-12/5/2019
 MW-4R2 background:3/24/2015-12/5/2019
 MW-5R background:10/27/1993-12/5/2019
 MW-6 background:10/27/1993-12/5/2019
 MW-10 background:4/2/2013-12/5/2019
 MW-11 background:11/4/2015-12/5/2019
 MW-12 background:11/4/2015-12/5/2019
 MW-13 background:11/4/2015-12/5/2019
 MW-14 background:11/4/2015-12/5/2019
 MW-15R background:11/4/2015-12/5/2019
 MW-16 background:11/4/2015-12/5/2019
 MW-17 background:4/2/2013-12/5/2019
 MW-18 background:4/2/2013-12/5/2019
 MW-19 background:4/2/2013-12/5/2019
 MW-20 background:4/2/2013-11/16/2017
 MW-21 background:11/4/2015-12/5/2019
 MW-22 background:11/4/2015-12/5/2019
 MW-23 background:11/4/2015-12/5/2019
 MW-24 background:11/4/2015-12/5/2019

Silver (mg/l)

MW-1 background:11/4/2015-12/5/2019
 MW-2 background:11/4/2015-12/5/2019
 MW-3 background:11/4/2015-12/5/2019
 MW-4R2 background:11/4/2015-12/5/2019
 MW-5R background:11/4/2015-12/5/2019
 MW-6 background:11/4/2015-12/5/2019
 MW-10 background:11/4/2015-12/5/2019
 MW-11 background:11/4/2015-12/5/2019
 MW-12 background:11/4/2015-12/5/2019
 MW-13 background:11/4/2015-12/5/2019
 MW-14 background:11/4/2015-12/5/2019
 MW-15R background:11/4/2015-12/5/2019
 MW-16 background:11/4/2015-12/5/2019
 MW-17 background:11/4/2015-12/5/2019
 MW-18 background:9/21/2015-12/5/2019
 MW-19 background:11/4/2015-12/5/2019
 MW-20 background:4/2/2013-11/16/2017
 MW-21 background:11/4/2015-12/5/2019
 MW-22 background:11/4/2015-12/5/2019
 MW-23 background:11/4/2015-12/5/2019
 MW-24 background:11/4/2015-12/5/2019

Sulfate (mg/l)

MW-1 background:10/27/1993-12/5/2019
 MW-2 background:10/27/1993-10/9/2008
 MW-3 background:10/27/1993-4/13/2011

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Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

MW-4R2 background:3/19/2013-12/5/2019
MW-5R background:10/27/1993-4/3/2013
MW-6 background:12/6/2011-12/5/2019
MW-10 background:4/2/2013-11/16/2017
MW-11 background:11/4/2015-12/5/2019
MW-12 background:11/4/2015-12/5/2019
MW-13 background:11/4/2015-12/5/2019
MW-14 background:11/4/2015-12/5/2019
MW-15R background:11/4/2015-12/5/2019
MW-16 background:11/4/2015-12/5/2019
MW-17 background:4/2/2013-11/16/2017
MW-18 background:4/2/2013-12/5/2019
MW-19 background:4/2/2013-11/16/2017
MW-20 background:4/2/2013-11/16/2017
MW-21 background:11/4/2015-11/16/2017
MW-22 background:11/4/2015-12/5/2019
MW-23 background:11/4/2015-11/16/2017
MW-24 background:11/4/2015-12/5/2019

Thallium (mg/l)

MW-1 background:9/16/2014-12/5/2019
MW-2 background:9/16/2014-12/5/2019
MW-3 background:9/16/2014-12/5/2019
MW-4R2 background:9/16/2014-12/5/2019
MW-5R background:9/16/2014-12/5/2019
MW-6 background:9/16/2014-12/5/2019
MW-10 background:4/2/2013-12/5/2019
MW-11 background:11/4/2015-12/5/2019
MW-12 background:11/4/2015-12/5/2019
MW-13 background:11/4/2015-12/5/2019
MW-14 background:11/4/2015-12/5/2019
MW-15R background:11/4/2015-12/5/2019
MW-16 background:11/4/2015-12/5/2019
MW-17 background:4/2/2013-12/5/2019
MW-18 background:4/2/2013-12/5/2019
MW-19 background:4/2/2013-12/5/2019
MW-20 background:4/2/2013-11/16/2017
MW-21 background:11/4/2015-12/5/2019
MW-22 background:11/4/2015-12/5/2019
MW-23 background:11/4/2015-12/5/2019
MW-24 background:11/4/2015-12/5/2019

TOC [Total Organic Carbon] (mg/l)

MW-1 background:10/27/1993-3/14/2018
MW-2 background:10/27/1993-12/5/2019
MW-3 background:10/27/1993-12/5/2019
MW-4R2 background:6/11/2009-12/5/2019
MW-5R background:11/5/2003-12/5/2019
MW-6 background:10/27/1993-4/3/2013
MW-10 background:4/2/2013-12/5/2019
MW-11 background:11/4/2015-12/5/2019
MW-12 background:11/4/2015-12/5/2019
MW-13 background:11/4/2015-12/5/2019
MW-14 background:11/4/2015-12/5/2019
MW-15R background:11/4/2015-12/5/2019
MW-16 background:11/4/2015-12/5/2019
MW-17 background:4/2/2013-12/5/2019
MW-18 background:4/2/2013-12/5/2019
MW-19 background:4/2/2013-12/5/2019
MW-20 background:4/2/2013-11/16/2017
MW-21 background:11/4/2015-12/5/2019
MW-22 background:11/4/2015-12/5/2019
MW-23 background:11/4/2015-12/5/2019
MW-24 background:11/4/2015-12/5/2019

Vanadium (mg/l)

Date Ranges

Page 8

Date: 6/9/2021 1:31 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

MW-1 background:11/4/2015-12/5/2019
MW-2 background:11/4/2015-12/5/2019
MW-3 background:11/4/2015-12/5/2019
MW-4R2 background:11/4/2015-12/5/2019
MW-5R background:11/4/2015-12/5/2019
MW-6 background:11/4/2015-12/5/2019
MW-10 background:11/4/2015-12/5/2019
MW-11 background:11/4/2015-12/5/2019
MW-12 background:11/4/2015-12/5/2019
MW-13 background:11/4/2015-12/5/2019
MW-14 background:11/4/2015-12/5/2019
MW-15R background:11/4/2015-12/5/2019
MW-16 background:11/4/2015-12/5/2019
MW-17 background:11/4/2015-12/5/2019
MW-18 background:9/21/2015-12/5/2019
MW-19 background:11/4/2015-12/5/2019
MW-20 background:4/2/2013-11/16/2017
MW-21 background:11/4/2015-12/5/2019
MW-22 background:11/4/2015-12/5/2019
MW-23 background:11/4/2015-12/5/2019
MW-24 background:11/4/2015-12/5/2019

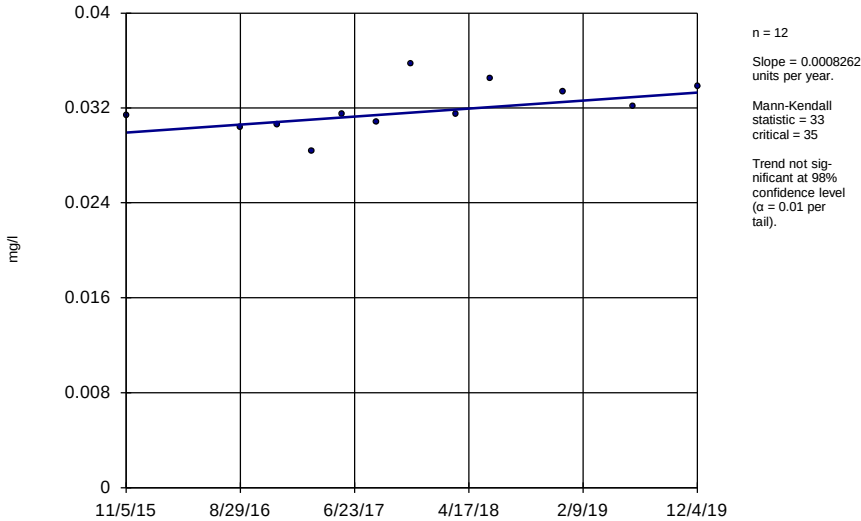
Zinc (mg/l)

MW-1 background:11/4/2015-12/5/2019
MW-2 background:11/4/2015-12/5/2019
MW-3 background:11/4/2015-12/5/2019
MW-4R2 background:11/4/2015-12/5/2019
MW-5R background:11/4/2015-12/5/2019
MW-6 background:11/4/2015-12/5/2019
MW-10 background:11/4/2015-12/5/2019
MW-11 background:11/4/2015-12/5/2019
MW-12 background:11/4/2015-12/5/2019
MW-13 background:11/4/2015-12/5/2019
MW-14 background:11/4/2015-12/5/2019
MW-15R background:11/4/2015-12/5/2019
MW-16 background:11/4/2015-12/5/2019
MW-17 background:11/4/2015-12/5/2019
MW-18 background:9/21/2015-12/5/2019
MW-19 background:11/4/2015-12/5/2019
MW-20 background:10/27/1993-12/5/2019
MW-21 background:11/4/2015-12/5/2019
MW-22 background:11/4/2015-12/5/2019
MW-23 background:11/4/2015-12/5/2019
MW-24 background:11/4/2015-12/5/2019

Trend Tests Over Updated Background Date Ranges

Sen's Slope Estimator

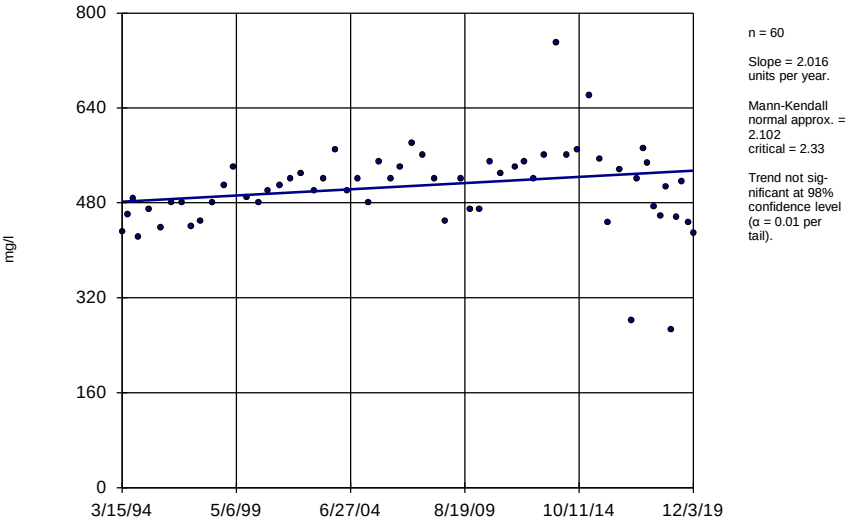
MW-16



Constituent: Arsenic Analysis Run 3/31/2021 10:20 PM View: POR trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

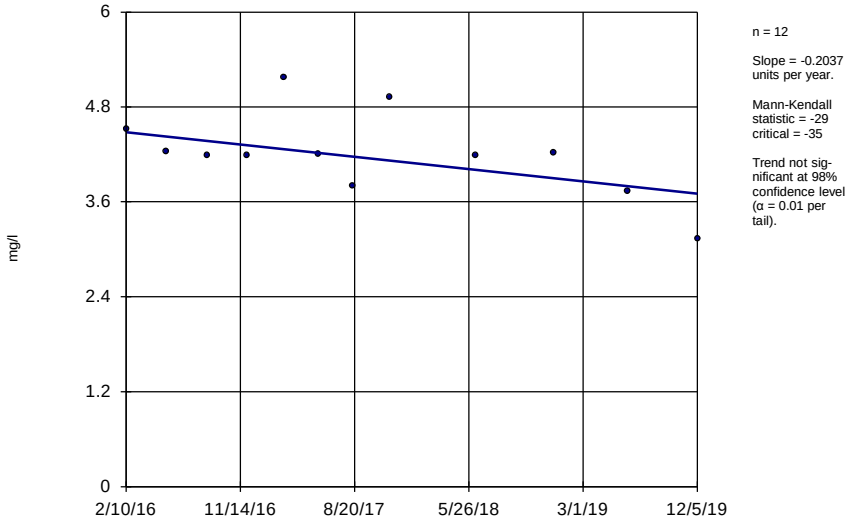
MW-2 (bg)



Constituent: Dissolved Solids Analysis Run 3/31/2021 10:21 PM View: POR trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

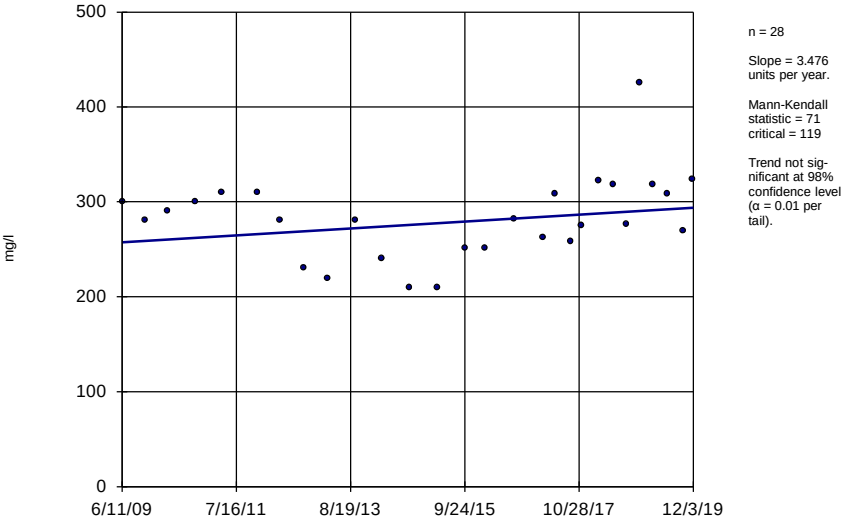
MW-13



Constituent: Chloride Analysis Run 5/3/2021 5:08 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

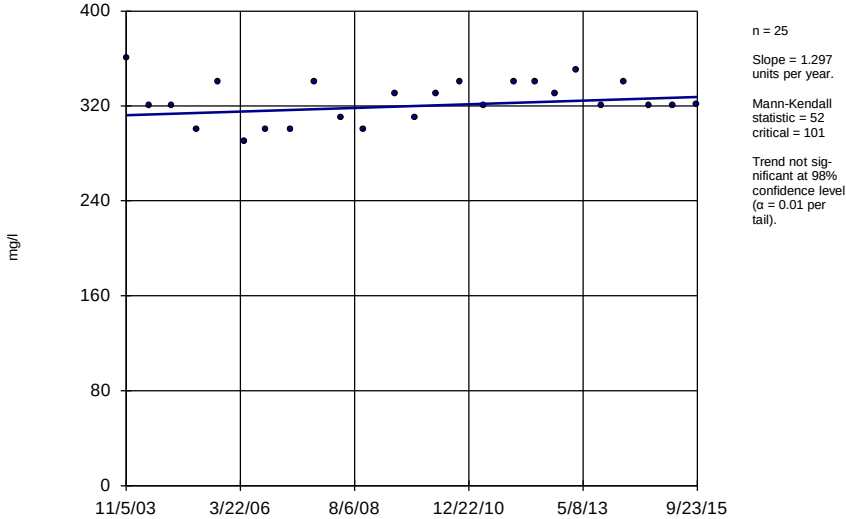
MW-4R2



Constituent: Dissolved Solids Analysis Run 3/31/2021 10:21 PM View: POR trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-5R

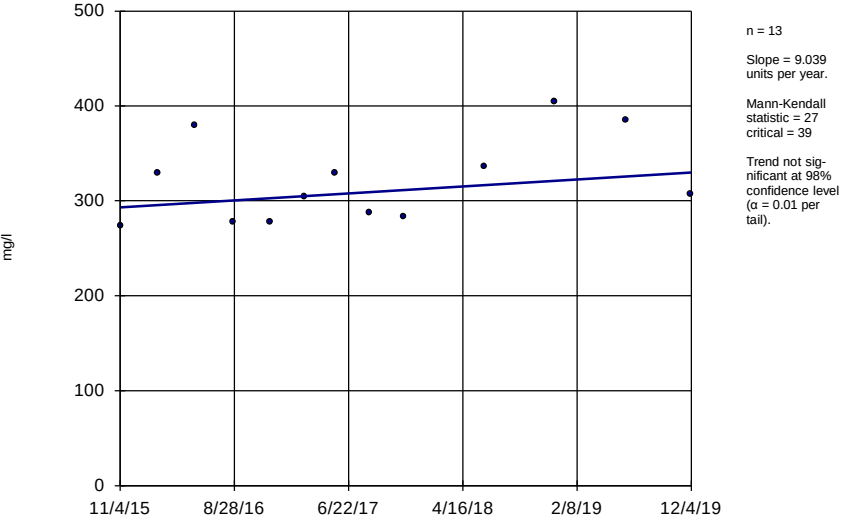


Constituent: Dissolved Solids Analysis Run 6/9/2021 1:05 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-23 (bg)

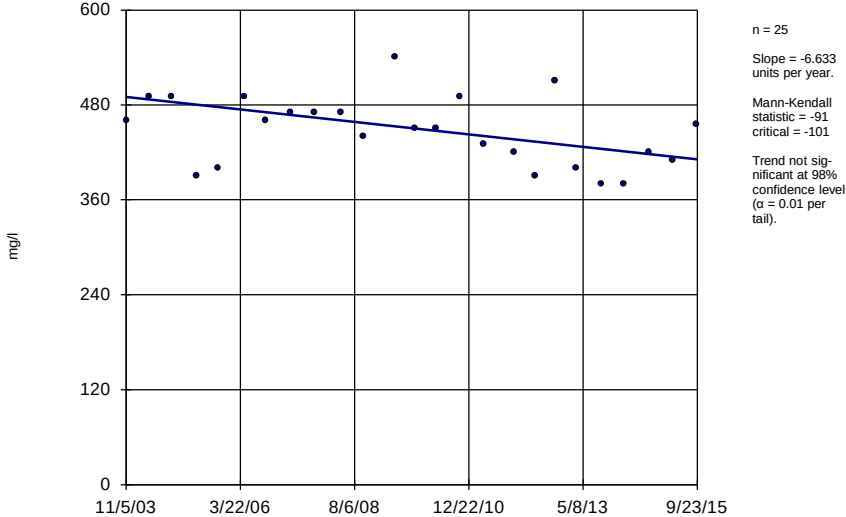


Constituent: Dissolved Solids Analysis Run 3/31/2021 10:21 PM View: POR trend

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-6

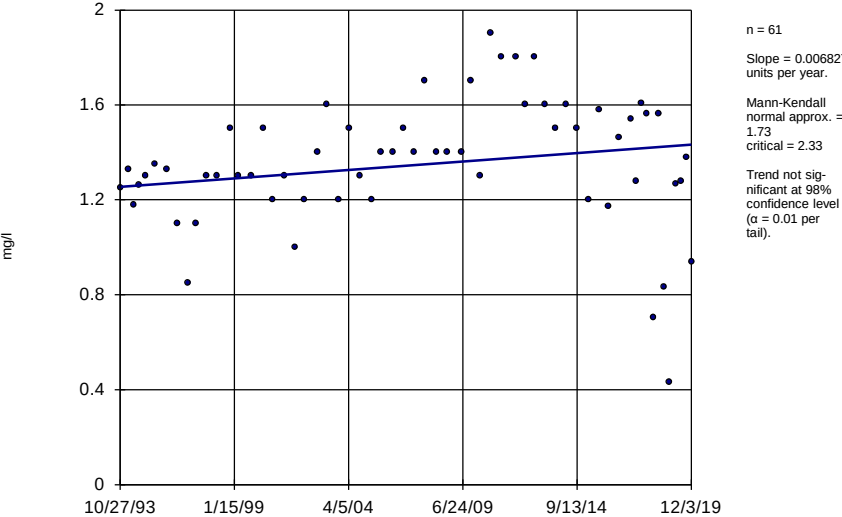


Constituent: Dissolved Solids Analysis Run 6/9/2021 1:06 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-3

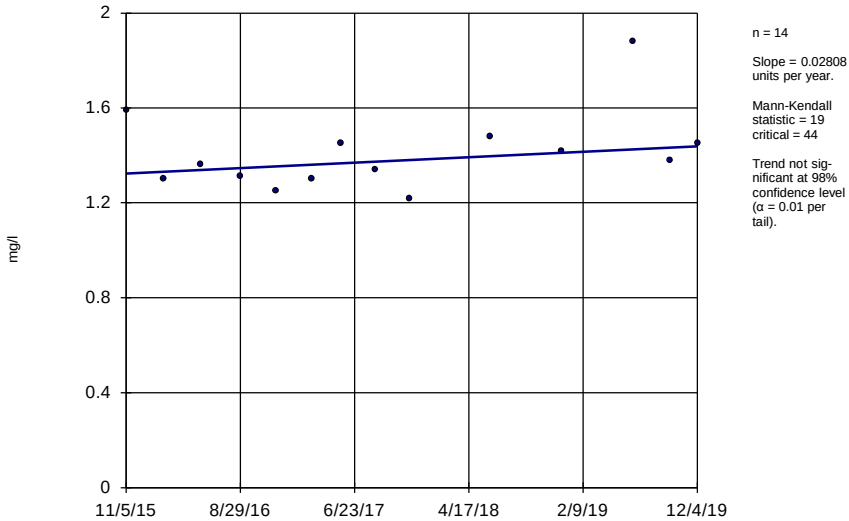


Constituent: Manganese Analysis Run 3/31/2021 10:22 PM View: POR trend

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

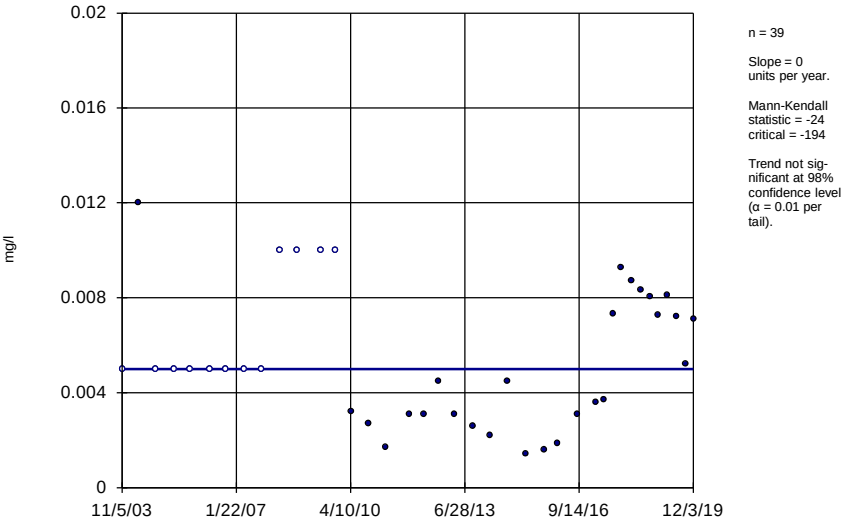
MW-24 (bg)



Constituent: Manganese Analysis Run 3/31/2021 10:22 PM View: POR trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

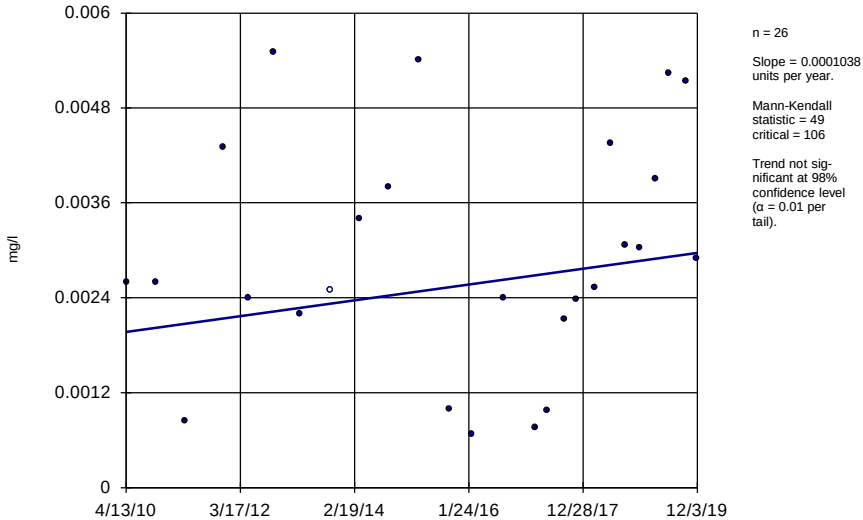
MW-6



Constituent: Nickel Analysis Run 3/31/2021 10:22 PM View: POR trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

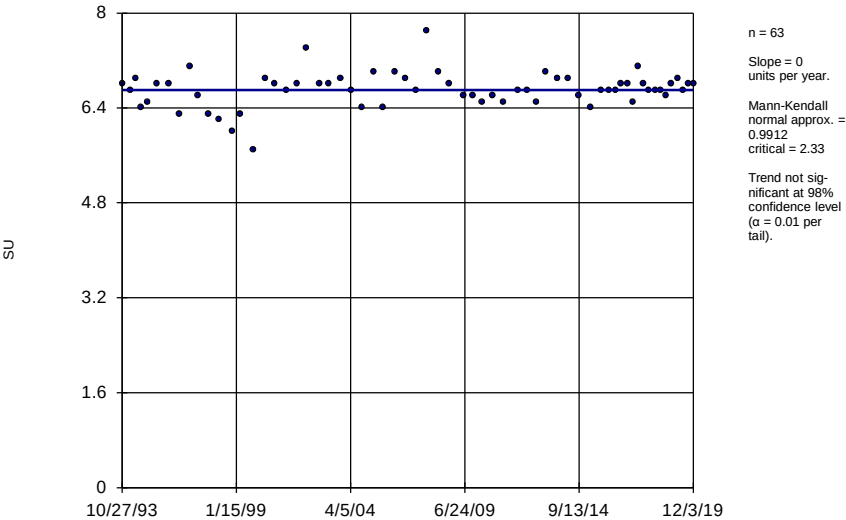
MW-1



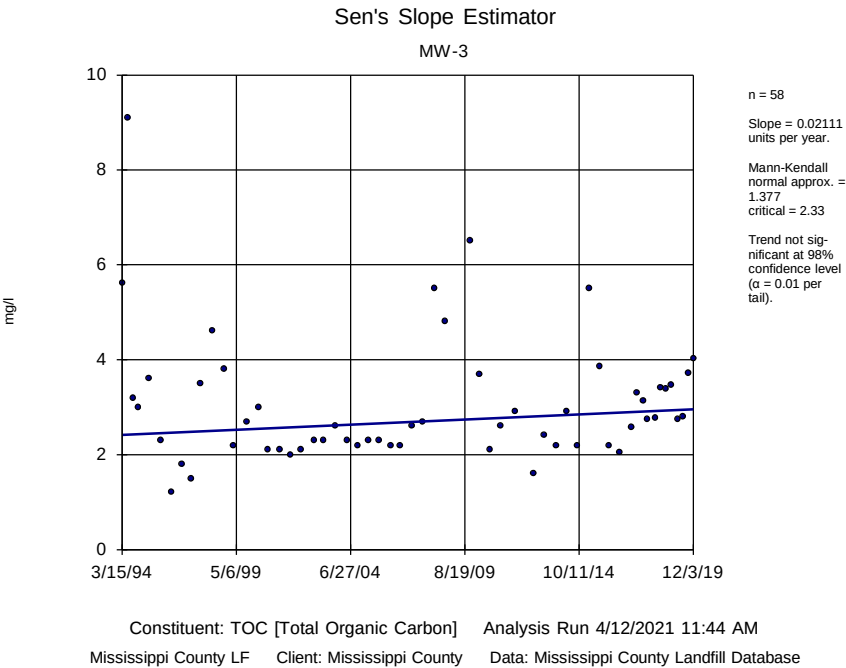
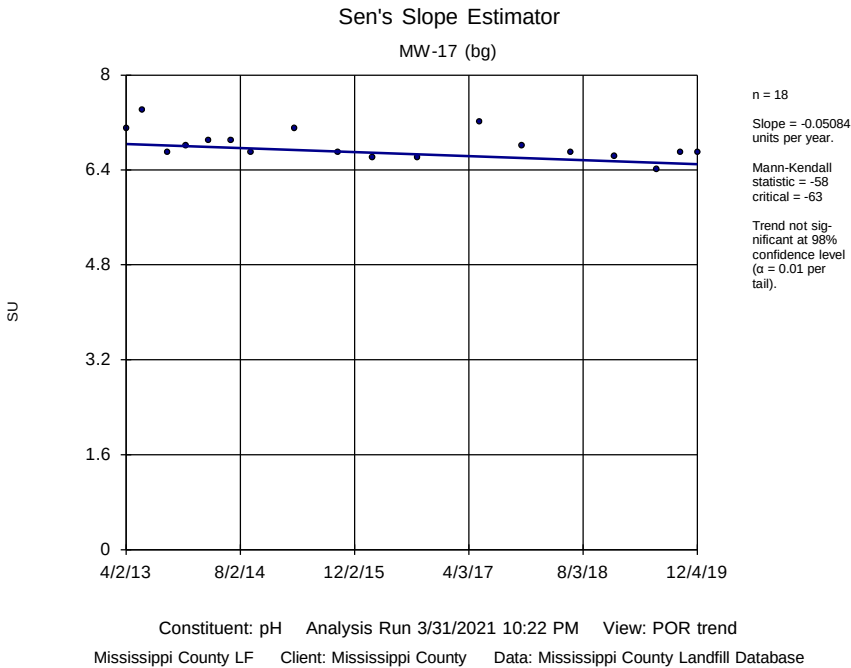
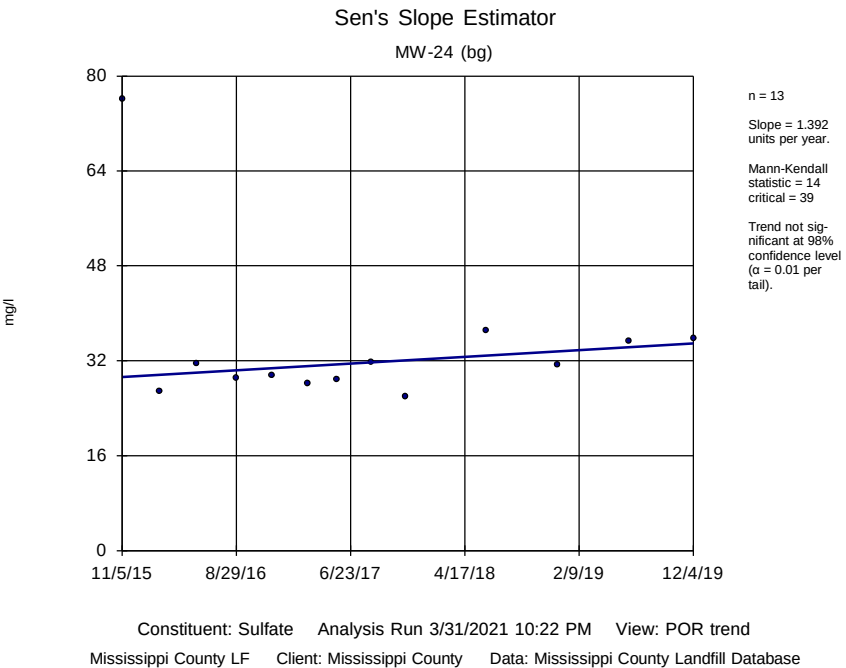
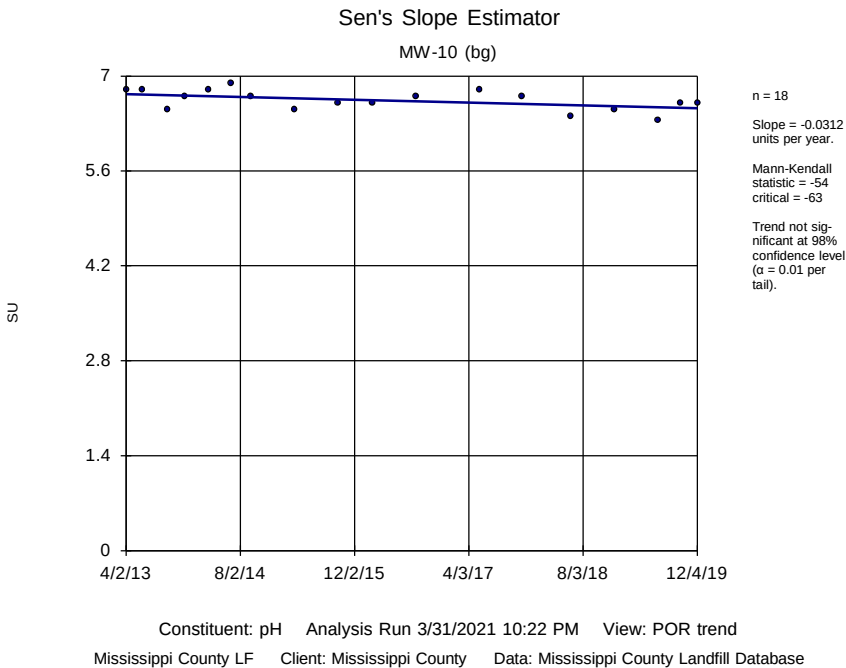
Constituent: Nickel Analysis Run 6/9/2021 1:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-1

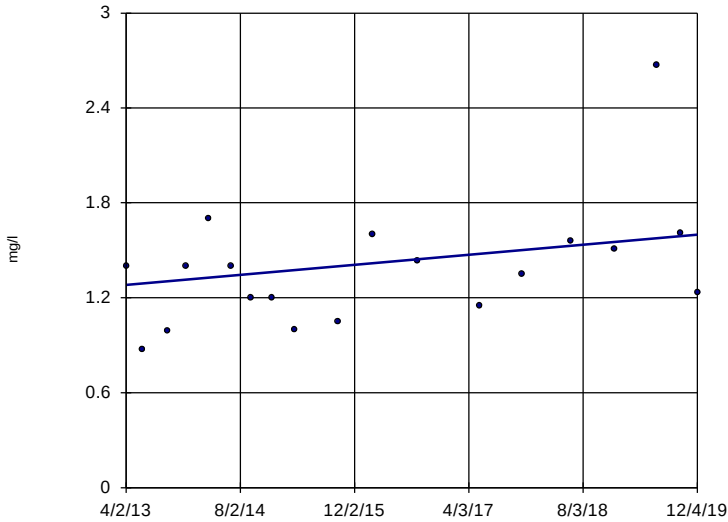


Constituent: pH Analysis Run 6/9/2021 1:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database



Sen's Slope Estimator

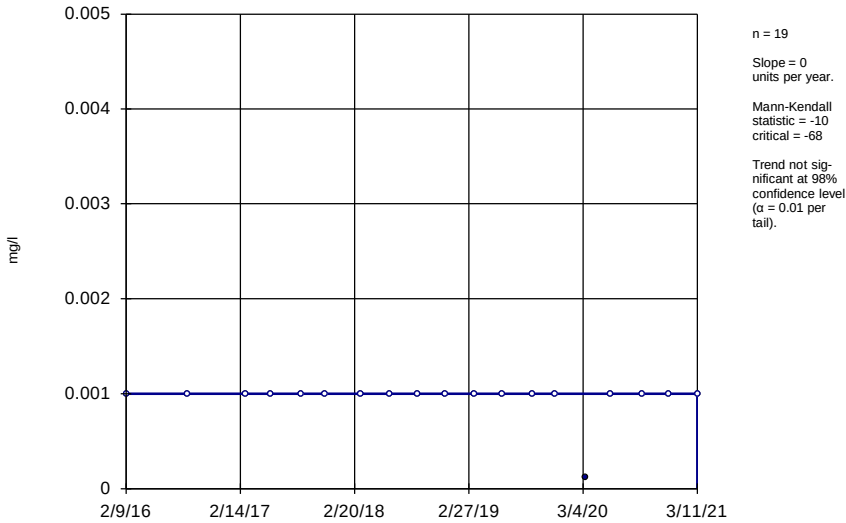
MW-17 (bg)



n = 19
Slope = 0.04748
units per year.
Mann-Kendall
statistic = 51
critical = 68
Trend not sig-
nificant at 98%
confidence level
(α = 0.01 per
tail).

Sen's Slope Estimator

MW-1

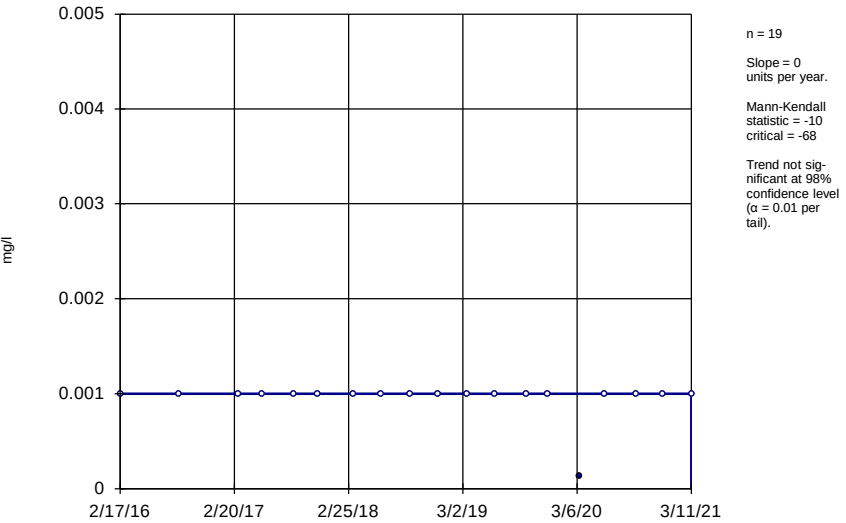


Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-3

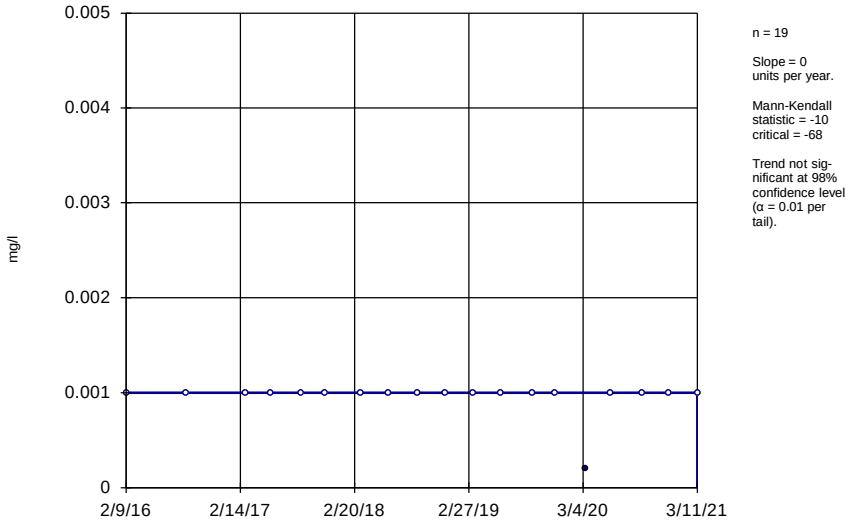


Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-2 (bg)

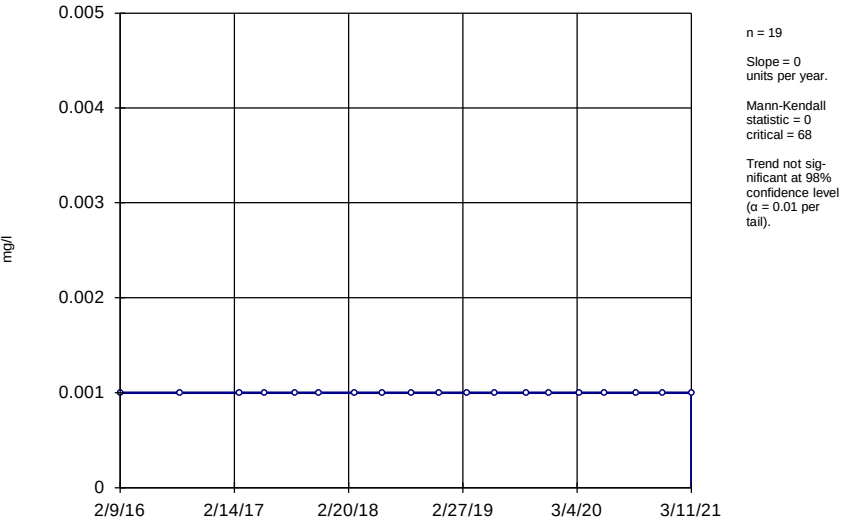


Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-4R2

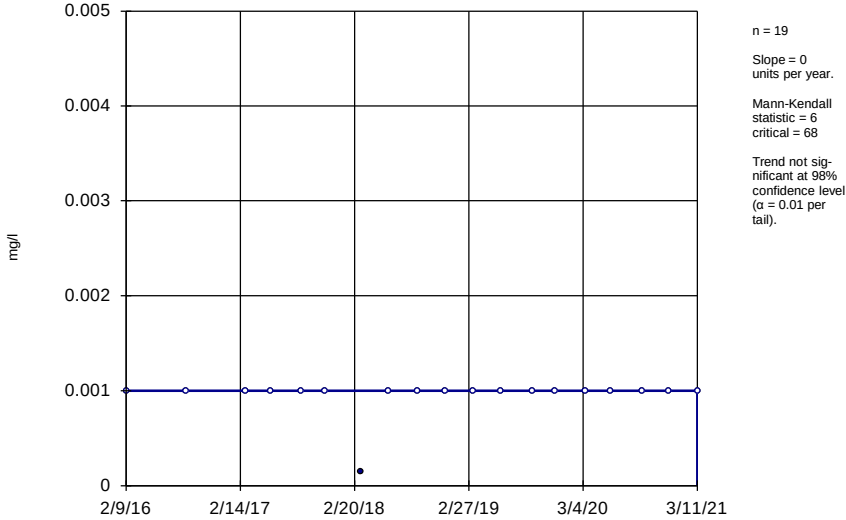


Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-5R

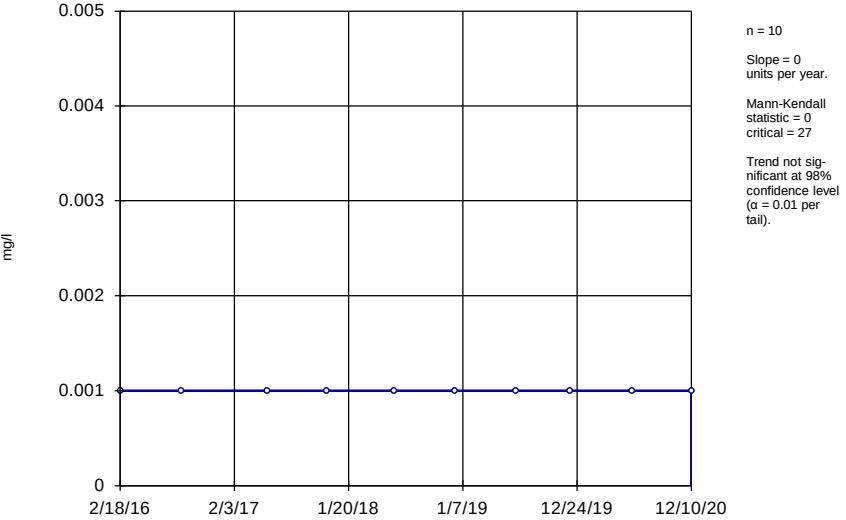


Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-10 (bg)

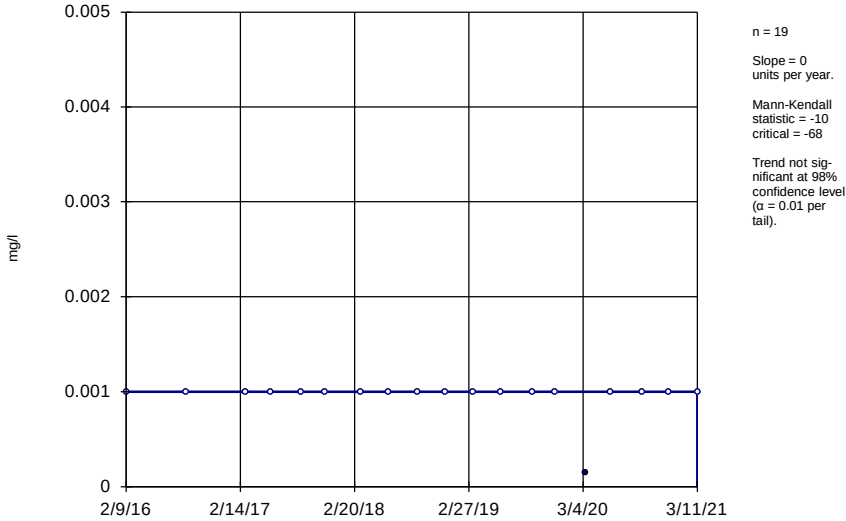


Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-6

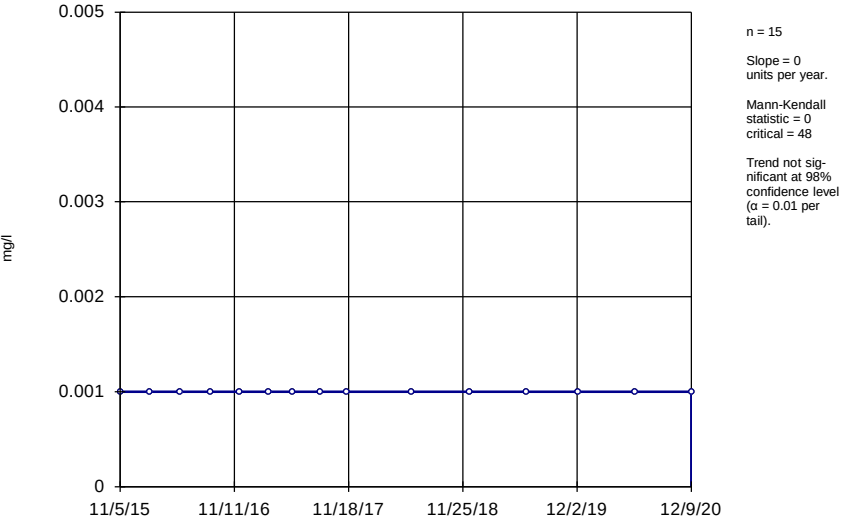


Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

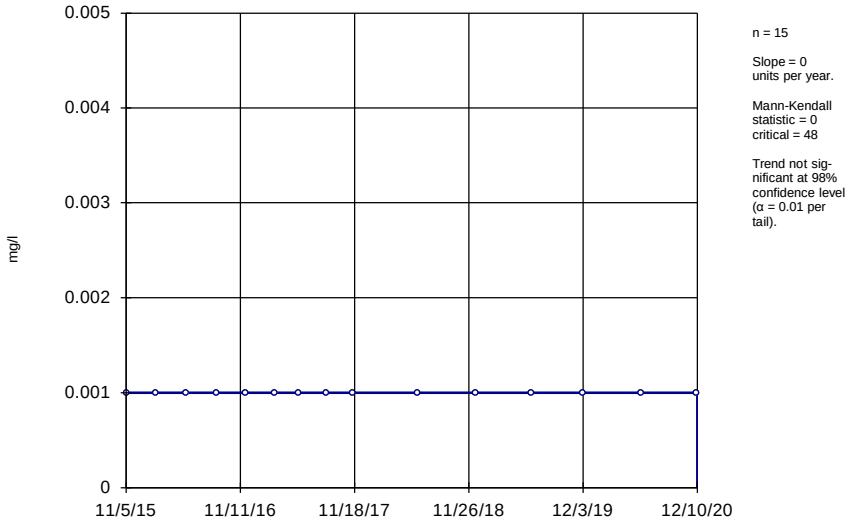
MW-11 (bg)



Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM

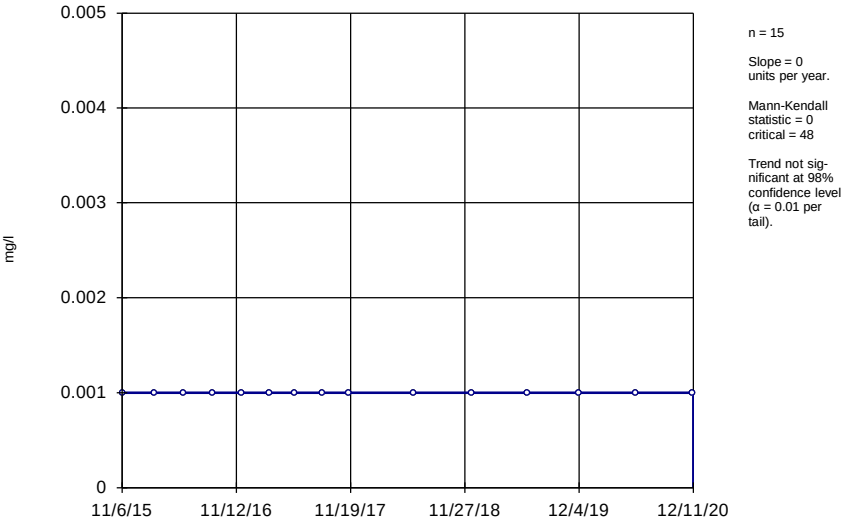
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-12



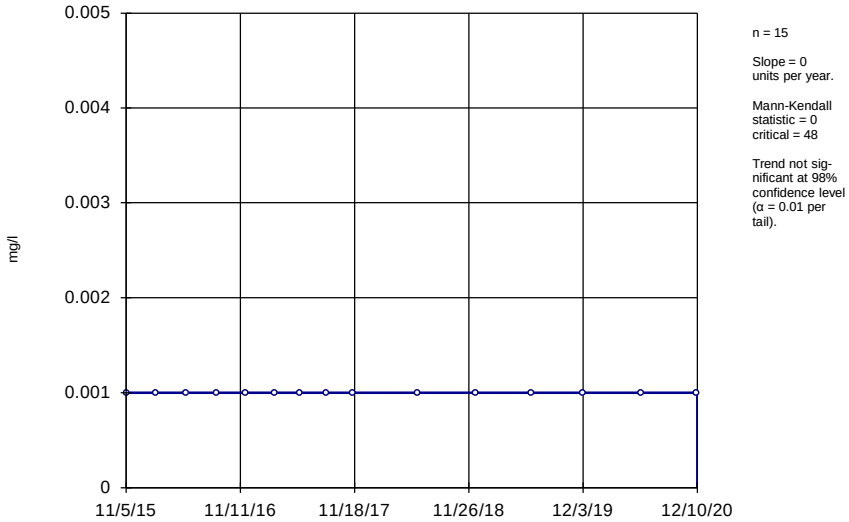
Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-14



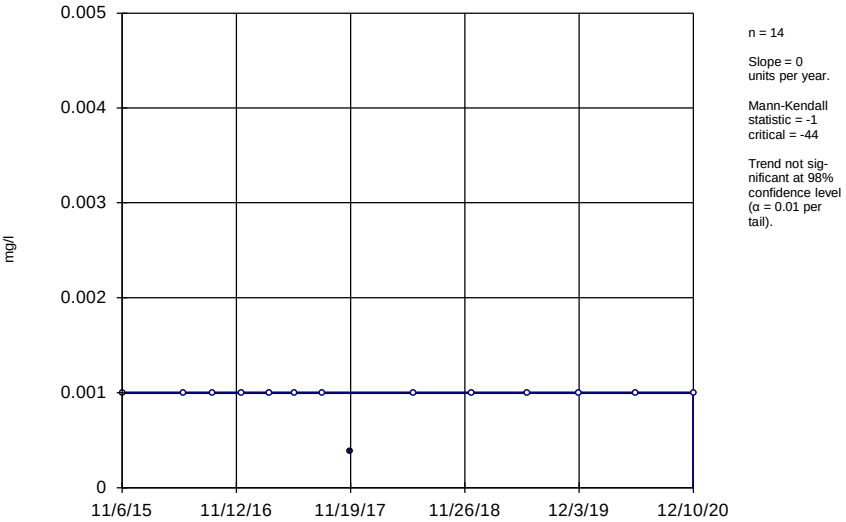
Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-13



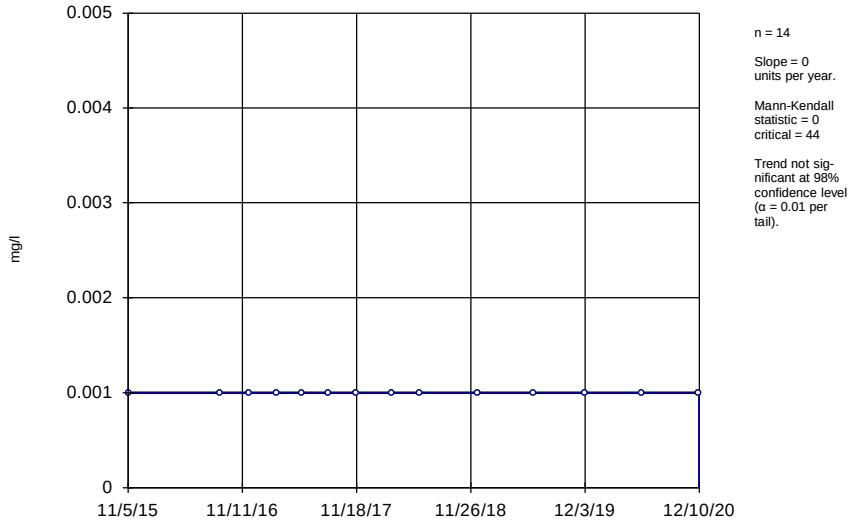
Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-15R



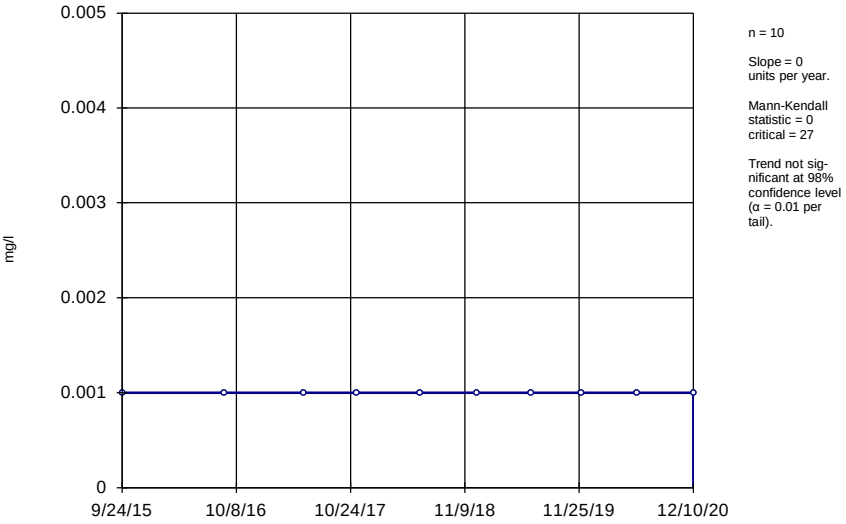
Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-16



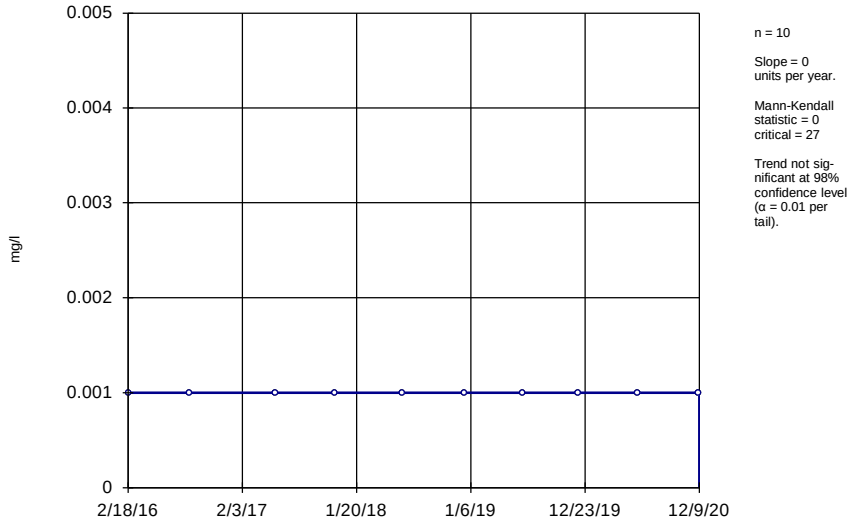
Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-18 (bg)



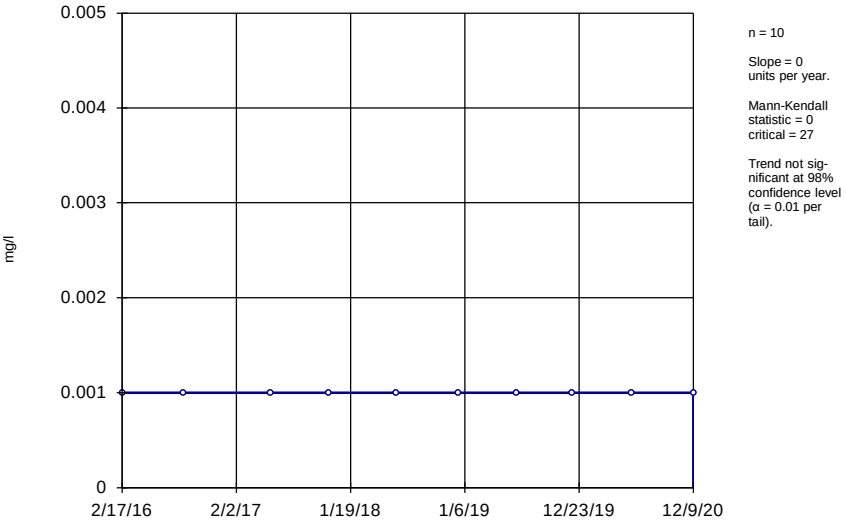
Constituent: Beryllium Analysis Run 6/9/2021 12:09 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-17 (bg)



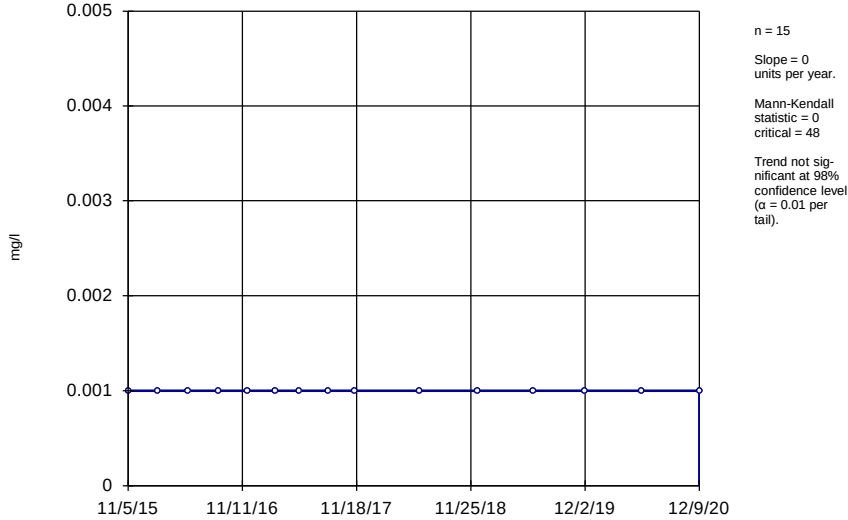
Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-19 (bg)



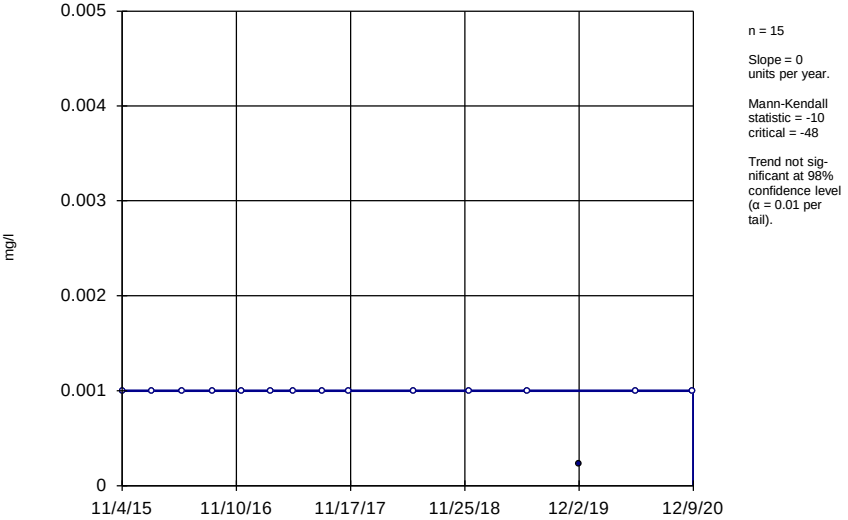
Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-21 (bg)



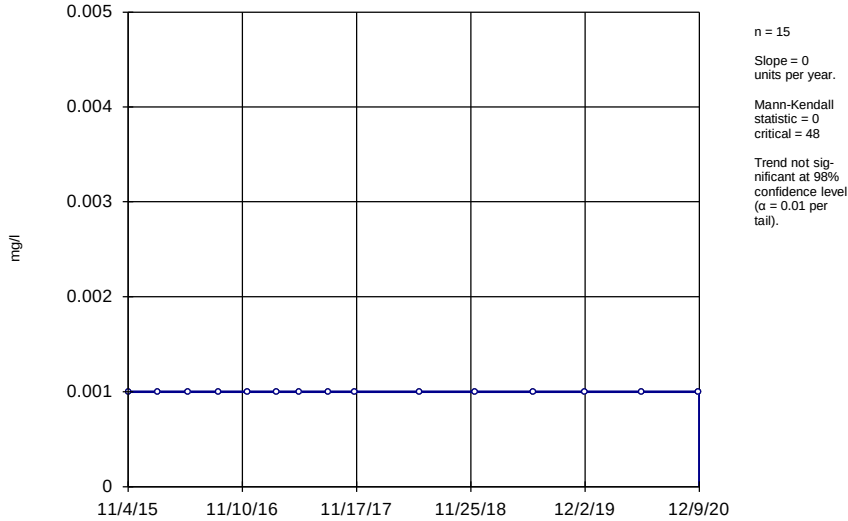
Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-23 (bg)



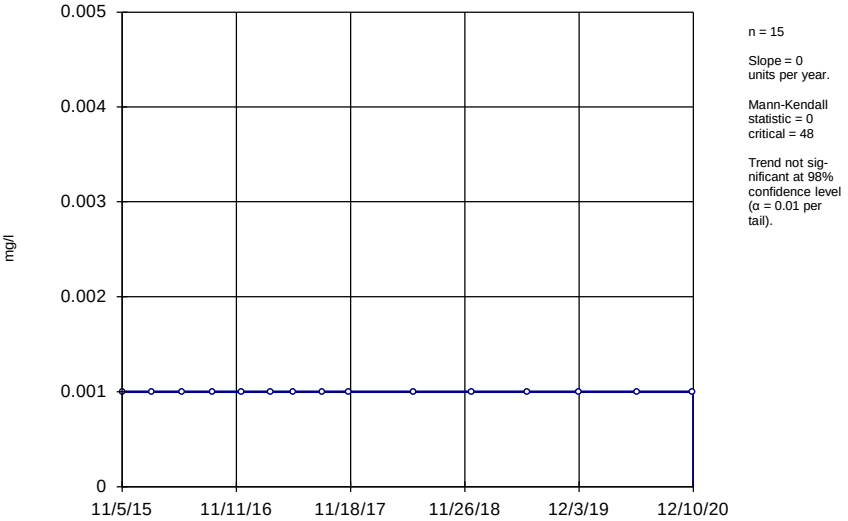
Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-22 (bg)



Constituent: Beryllium Analysis Run 6/9/2021 12:01 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

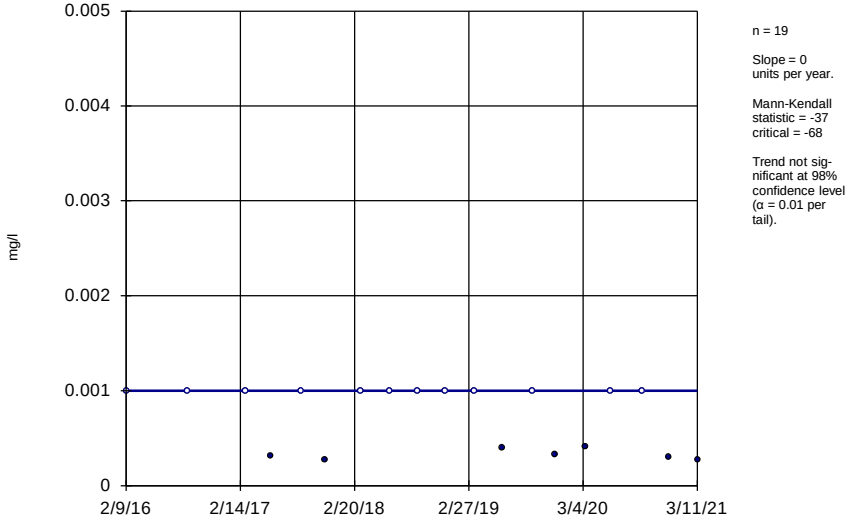
Sen's Slope Estimator
MW-24 (bg)



Constituent: Beryllium Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

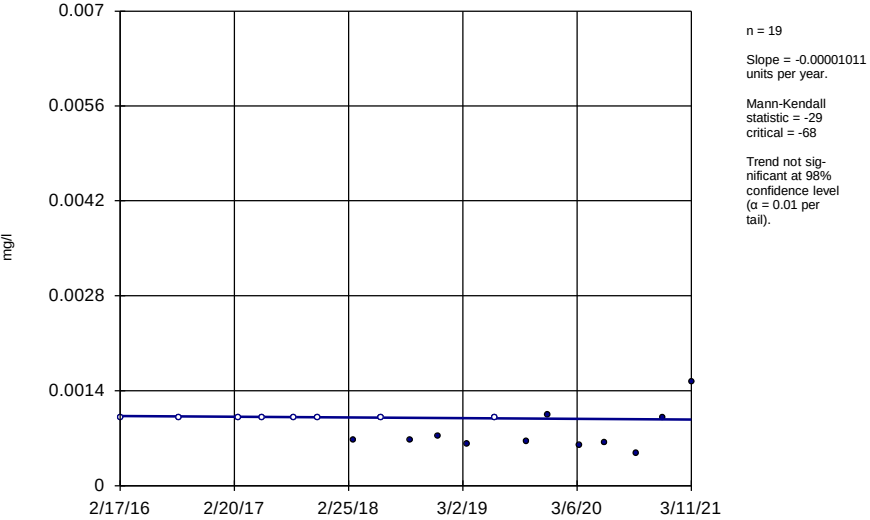
MW-1



Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

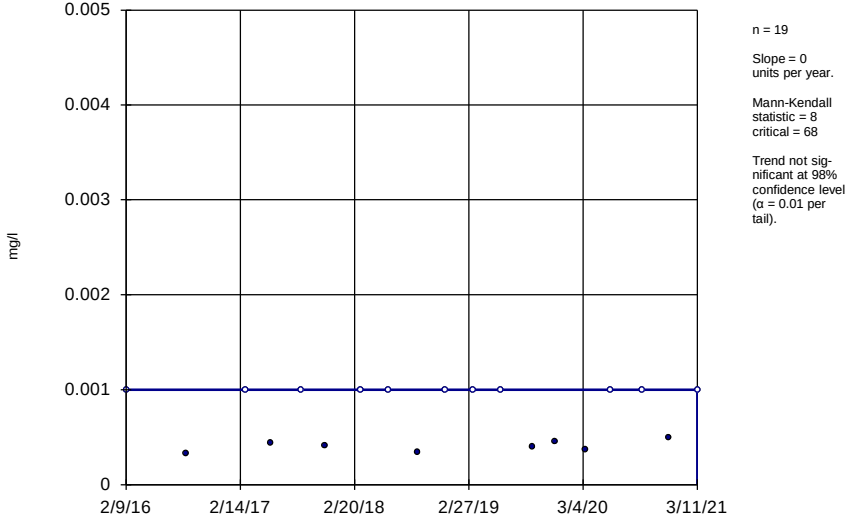
MW-3



Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

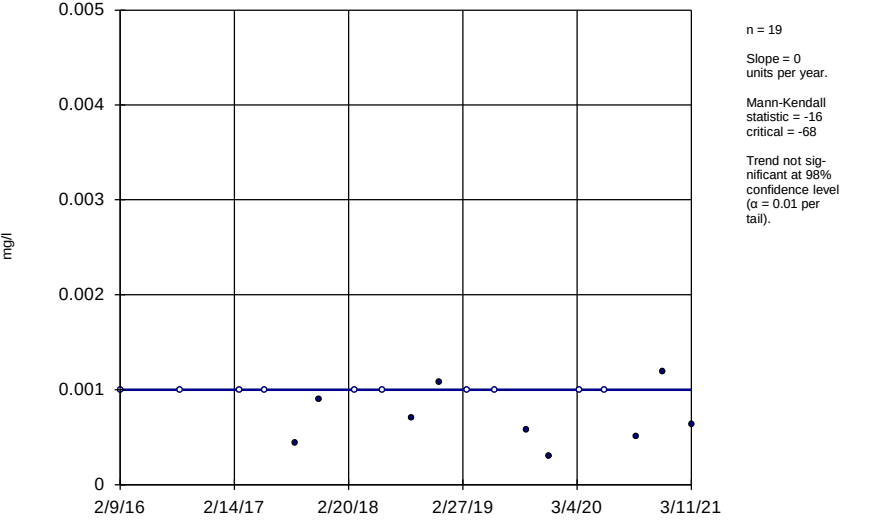
MW-2 (bg)



Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

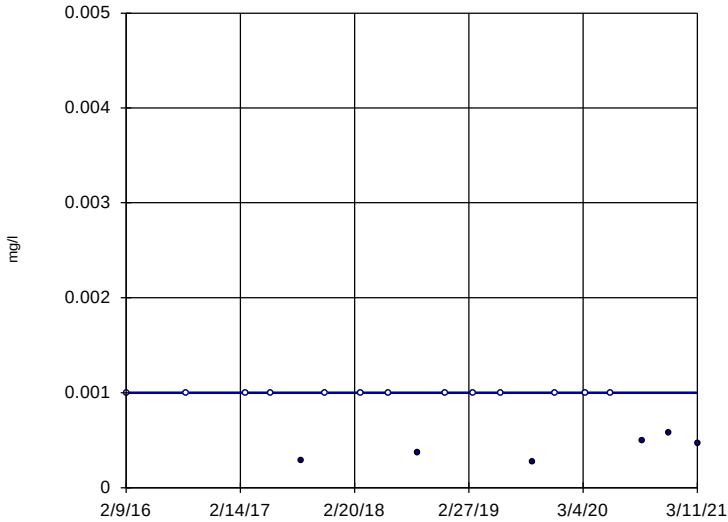
MW-4R2



Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-5R



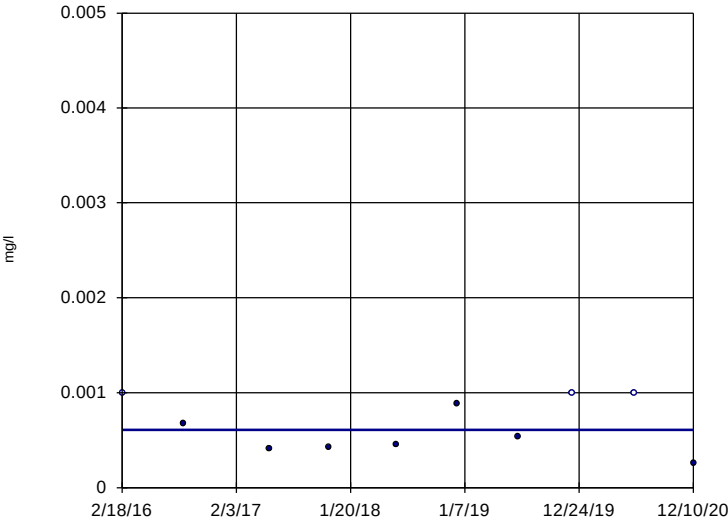
n = 19
Slope = 0
units per year.
Mann-Kendall
statistic = -35
critical = -68
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-10 (bg)



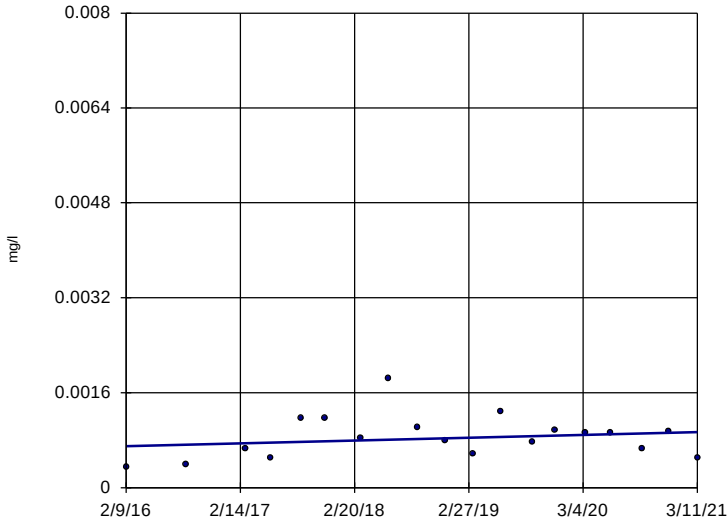
n = 10
Slope = 0
units per year.
Mann-Kendall
statistic = 2
critical = 27
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-6



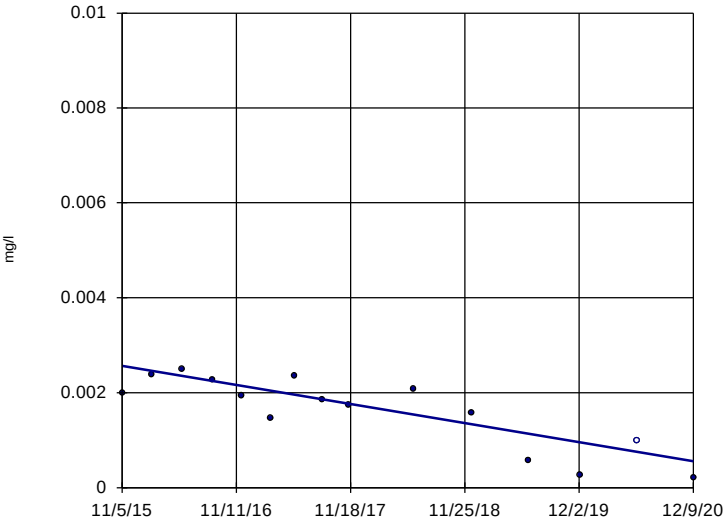
n = 19
Slope = 0.00004667
units per year.
Mann-Kendall
statistic = 14
critical = 68
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-11 (bg)



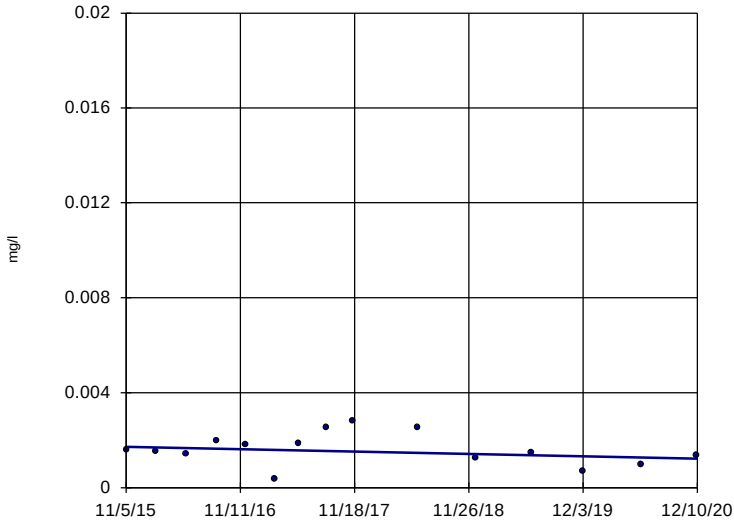
n = 15
Slope = -0.0003941
units per year.
Mann-Kendall
statistic = -69
critical = -48
Decreasing trend
significant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-12



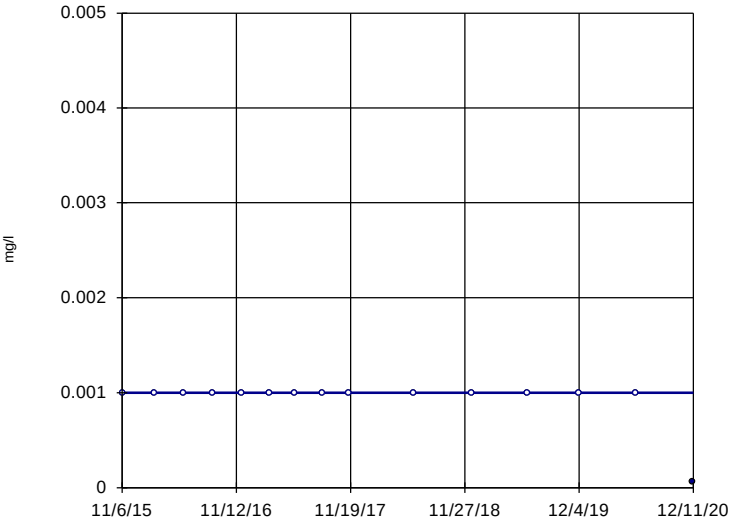
n = 15
Slope = -0.00009817
units per year.
Mann-Kendall
statistic = -15
critical = -48
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-14



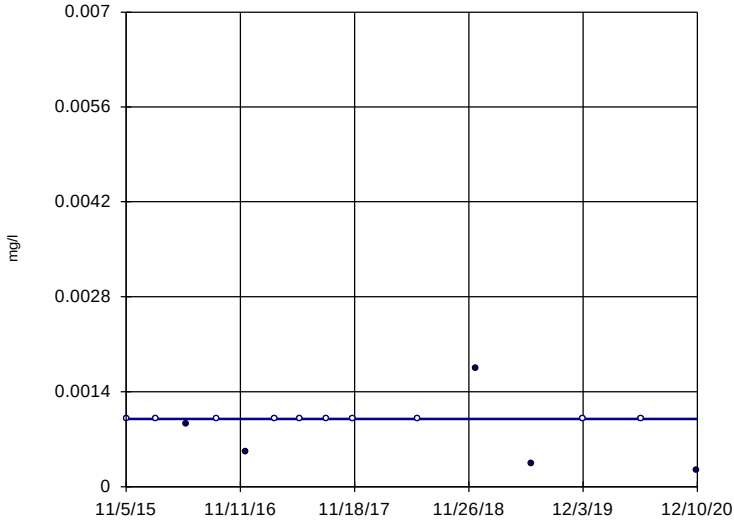
n = 15
Slope = 0
units per year.
Mann-Kendall
statistic = -14
critical = -48
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-13



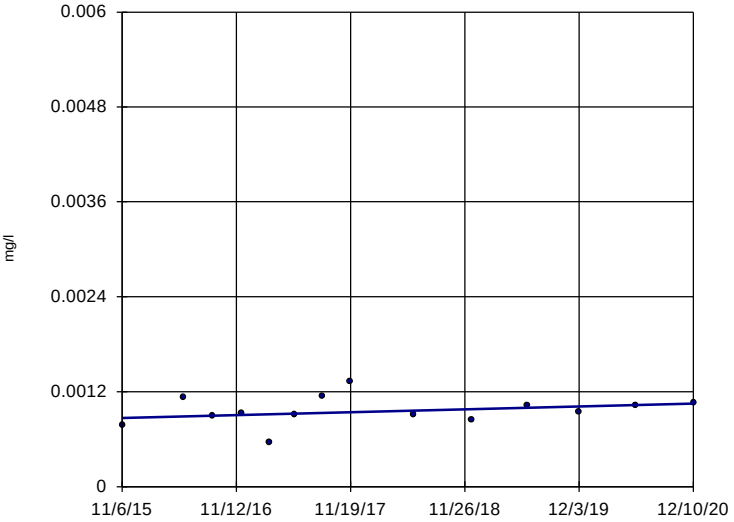
n = 15
Slope = 0
units per year.
Mann-Kendall
statistic = -6
critical = -48
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-15R



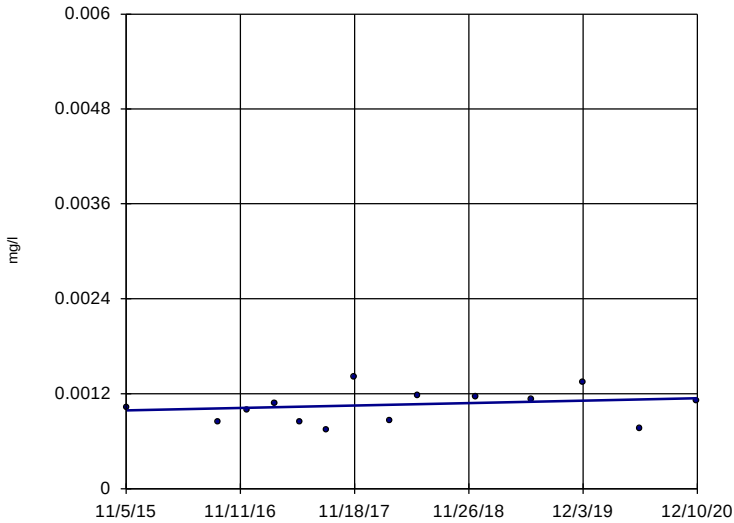
n = 14
Slope = 0.00003557
units per year.
Mann-Kendall
statistic = 24
critical = 44
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-16



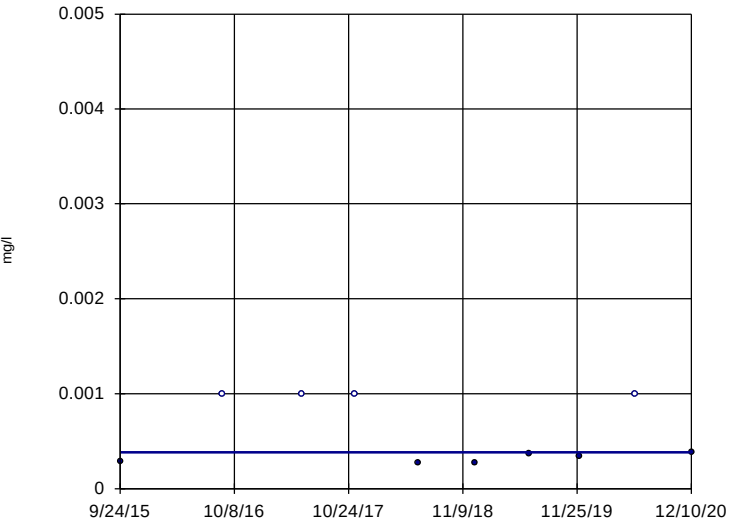
n = 14
Slope = 0.00003038
units per year.
Mann-Kendall
statistic = 17
critical = 44
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-18 (bg)



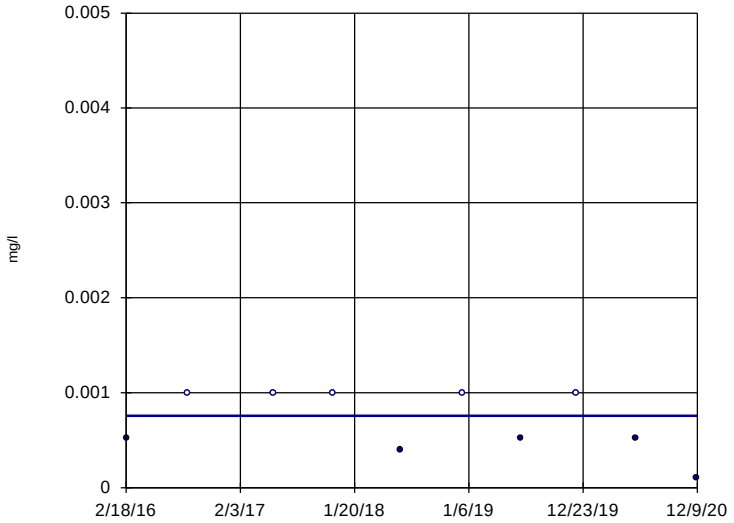
n = 10
Slope = 0
units per year.
Mann-Kendall
statistic = -1
critical = -27
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Cobalt Analysis Run 6/9/2021 12:09 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-17 (bg)



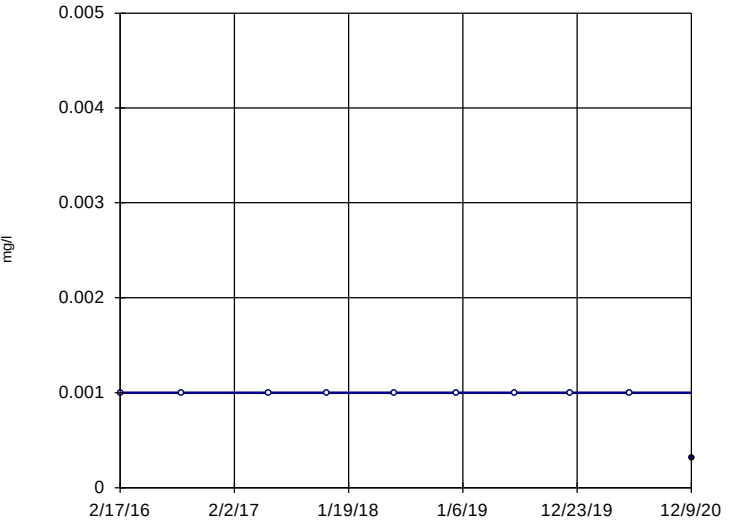
n = 10
Slope = 0
units per year.
Mann-Kendall
statistic = -10
critical = -27
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-19 (bg)

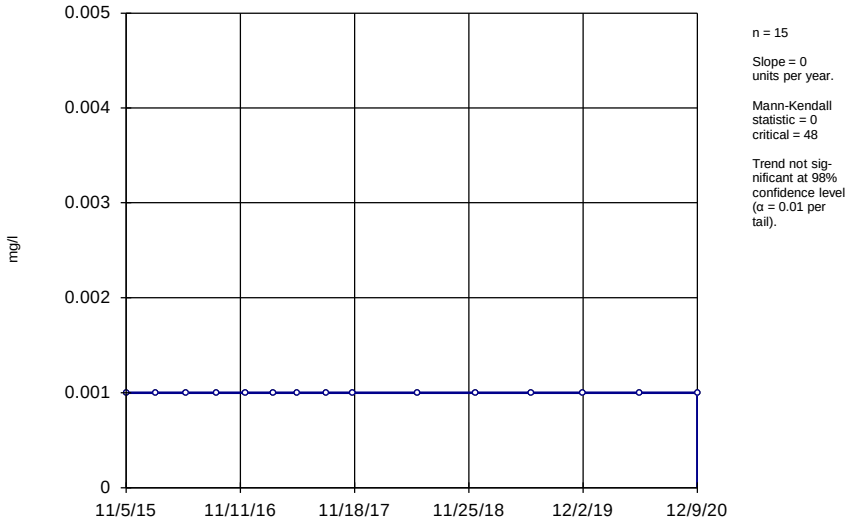


n = 10
Slope = 0
units per year.
Mann-Kendall
statistic = -9
critical = -27
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM

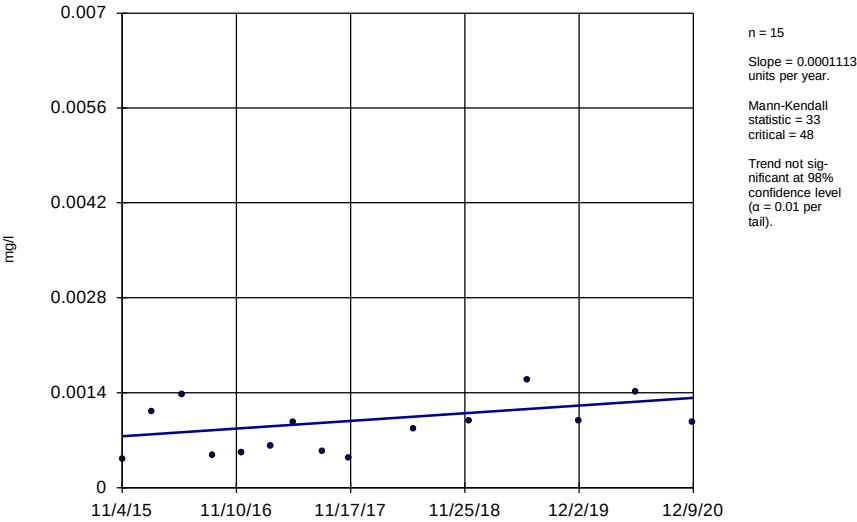
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-21 (bg)



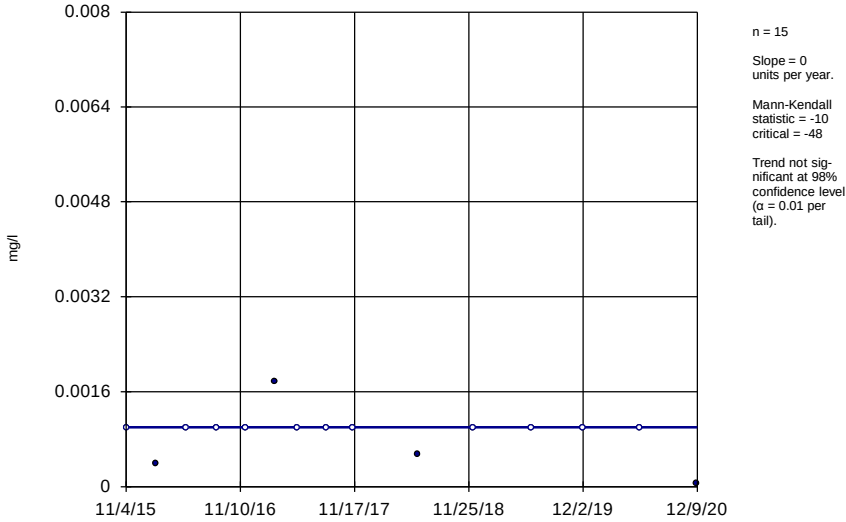
Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-23 (bg)



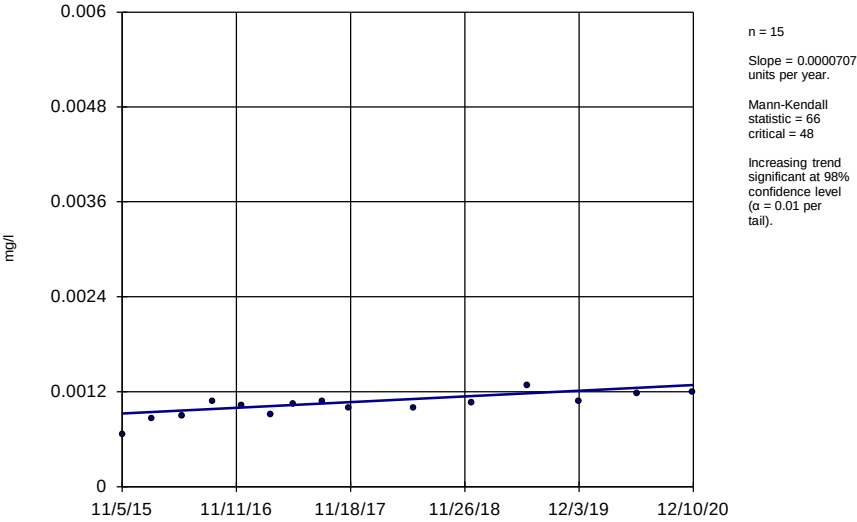
Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-22 (bg)



Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

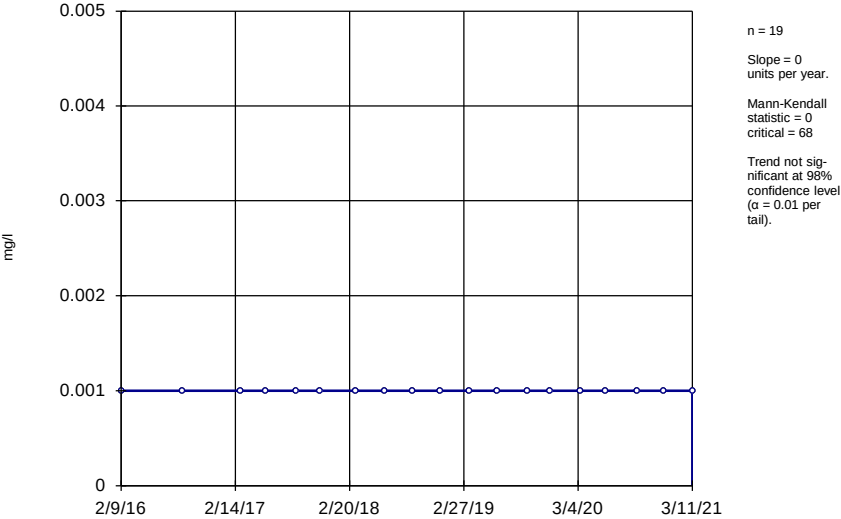
Sen's Slope Estimator
MW-24 (bg)



Constituent: Cobalt Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

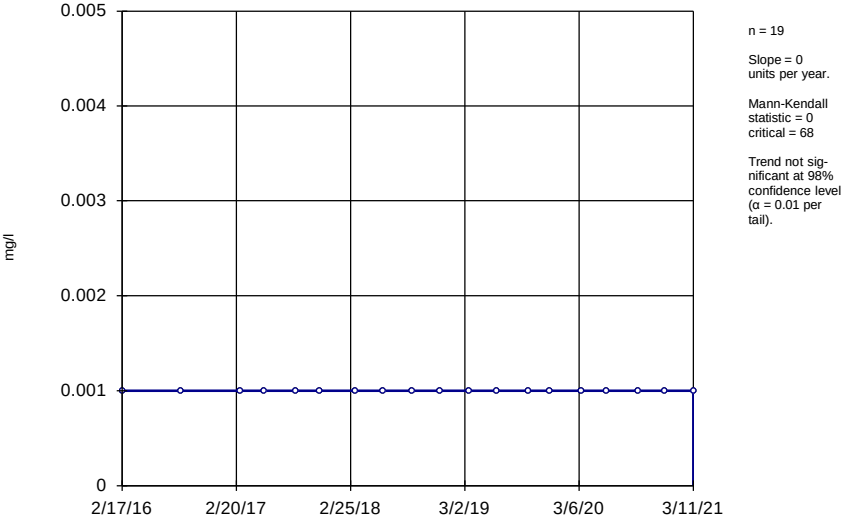
MW-1



Constituent: Silver Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

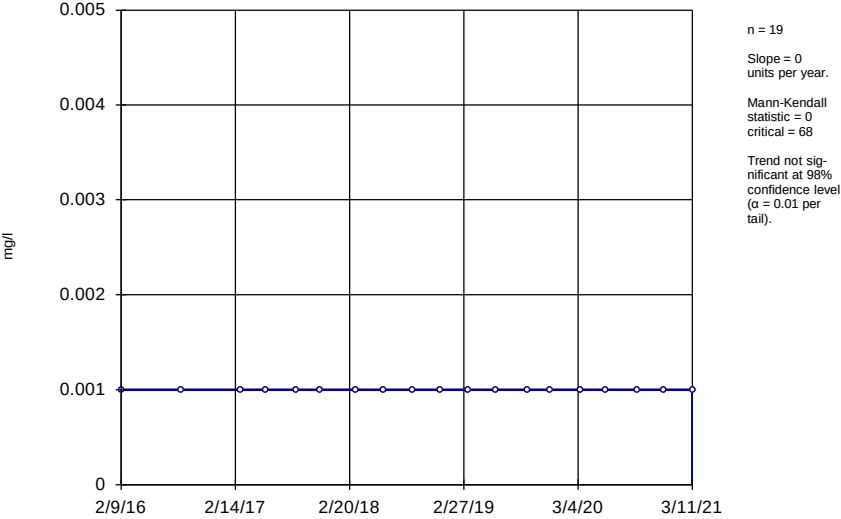
MW-3



Constituent: Silver Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

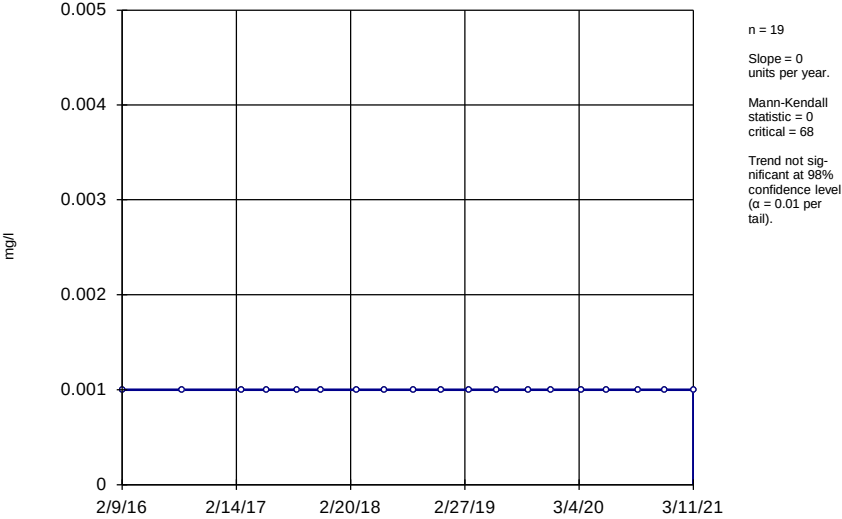
MW-2 (bg)



Constituent: Silver Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

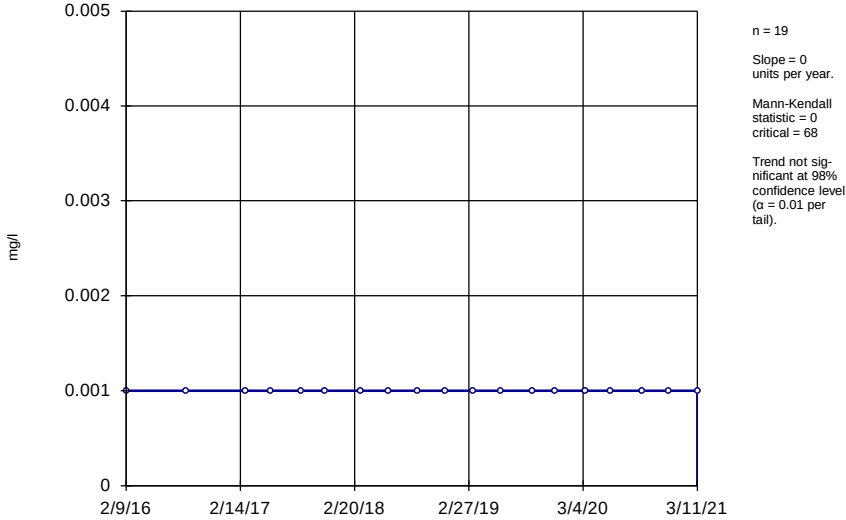
MW-4R2



Constituent: Silver Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-5R

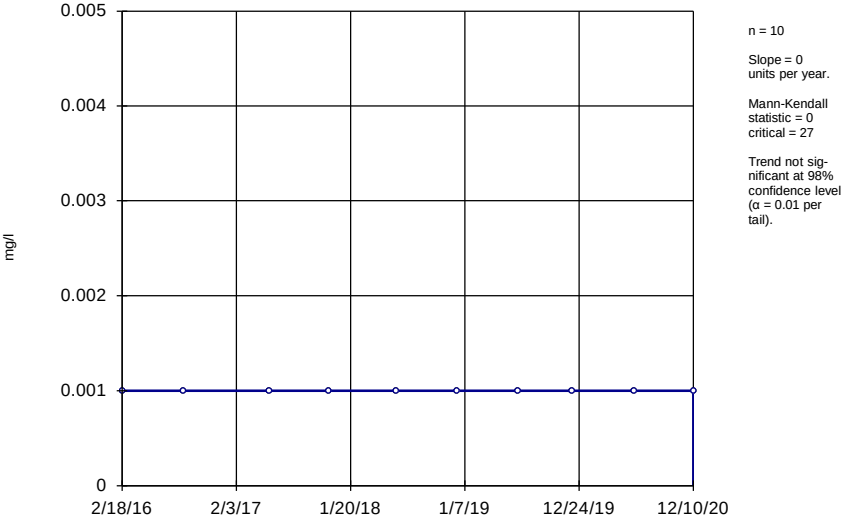


Constituent: Silver Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-10 (bg)

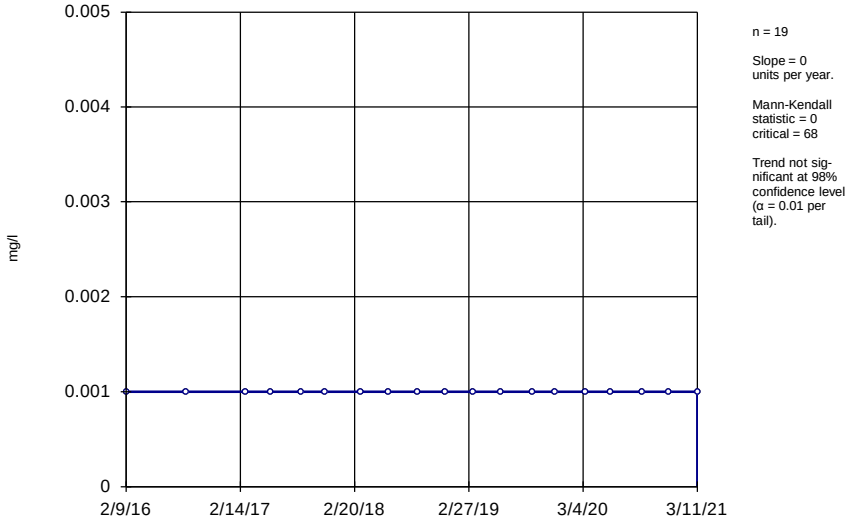


Constituent: Silver Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-6

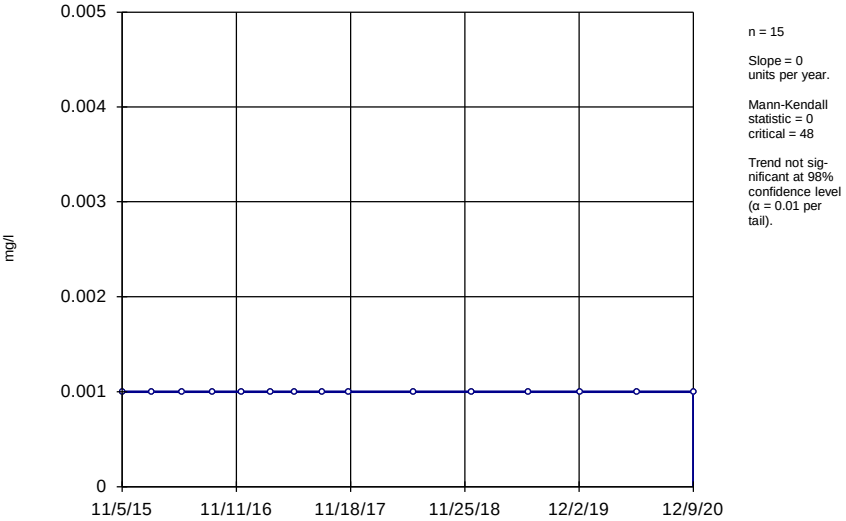


Constituent: Silver Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

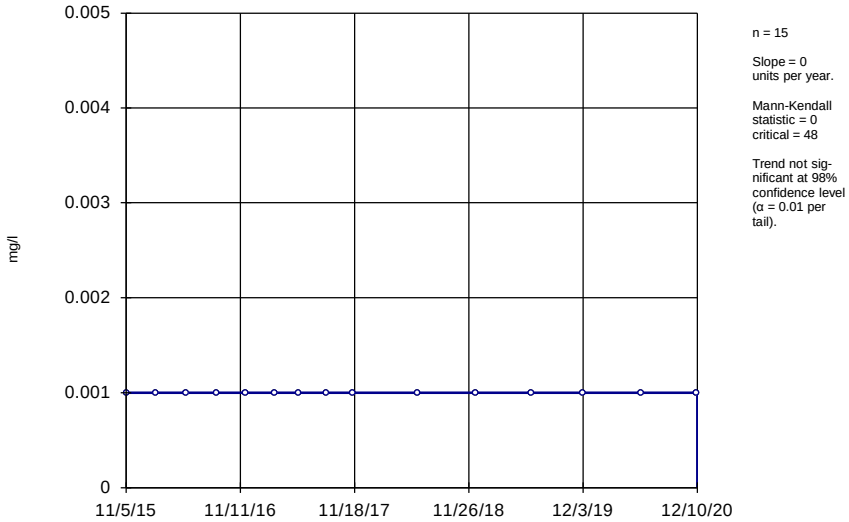
MW-11 (bg)



Constituent: Silver Analysis Run 6/9/2021 12:02 PM

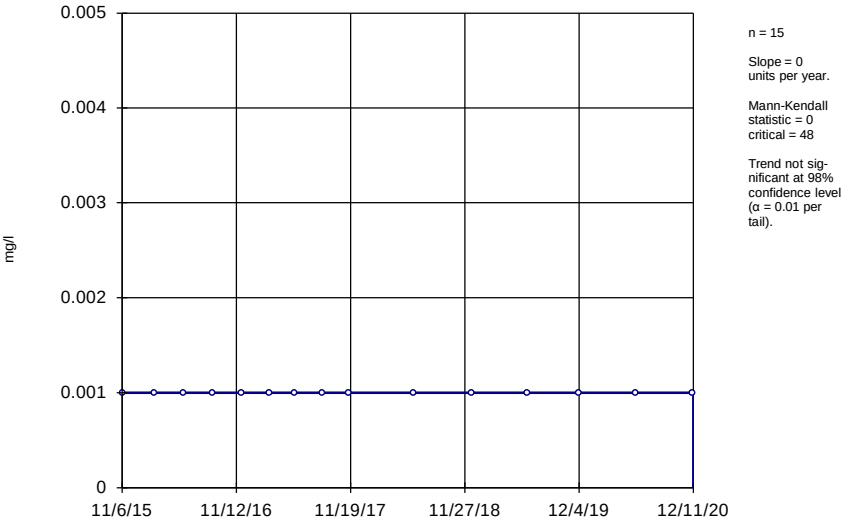
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-12



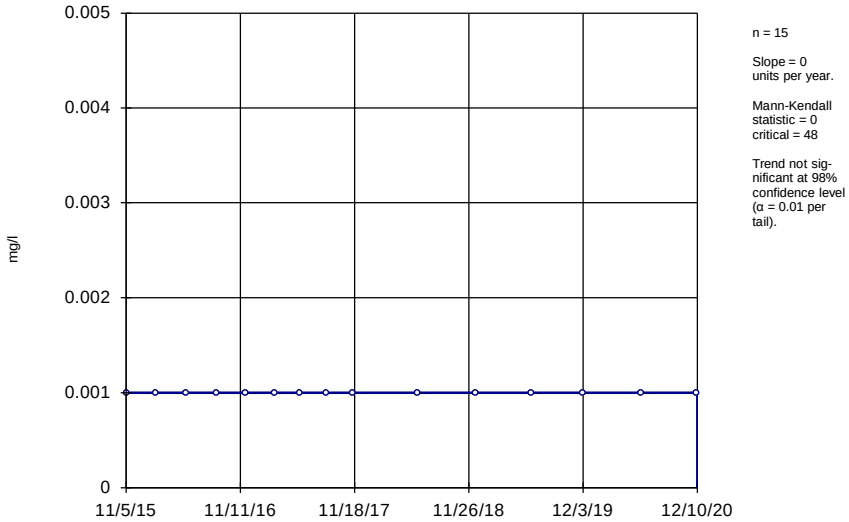
Constituent: Silver Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-14



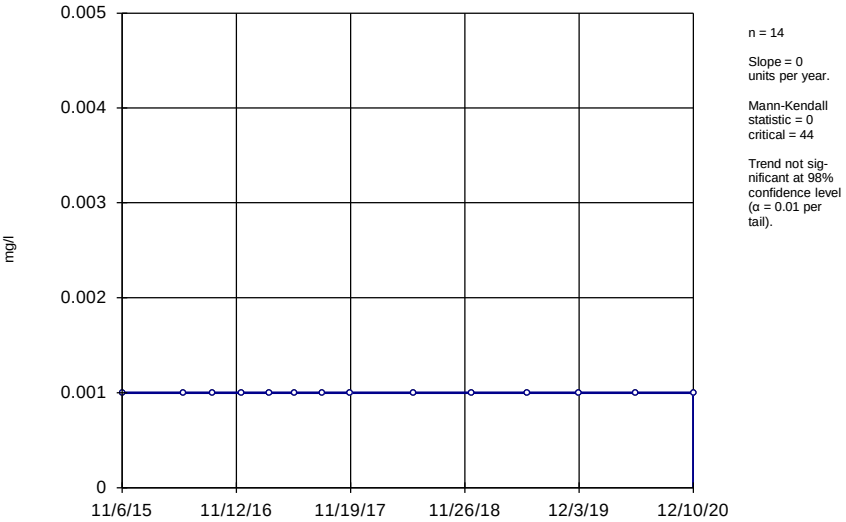
Constituent: Silver Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-13



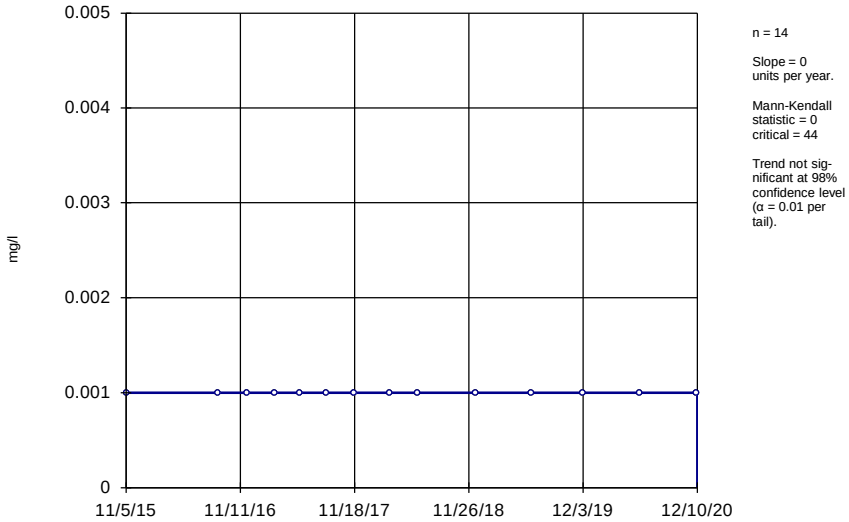
Constituent: Silver Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-15R



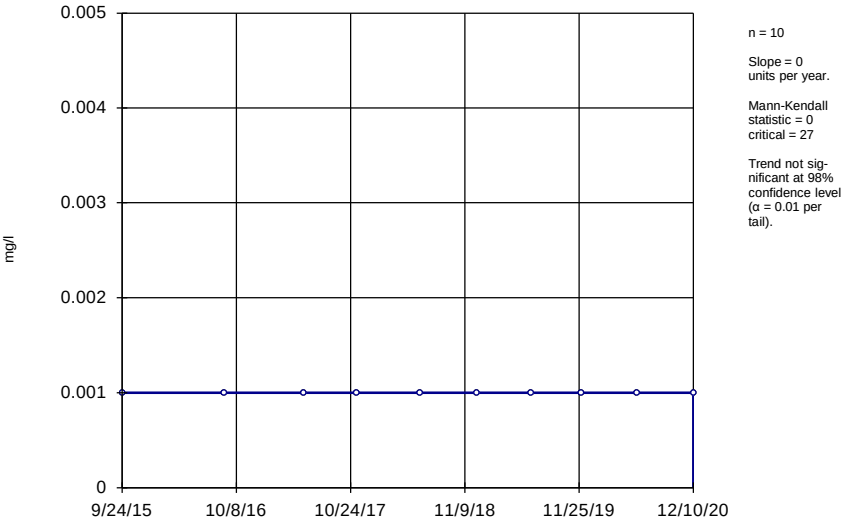
Constituent: Silver Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-16



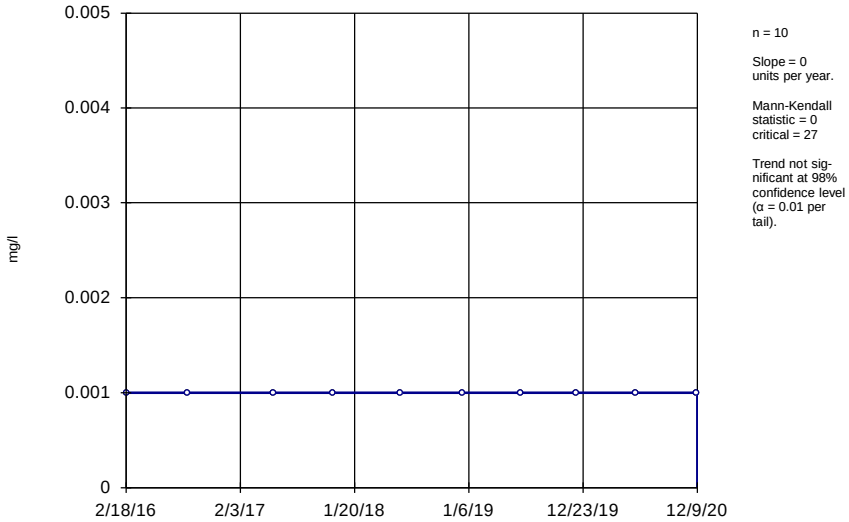
Constituent: Silver Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-18 (bg)



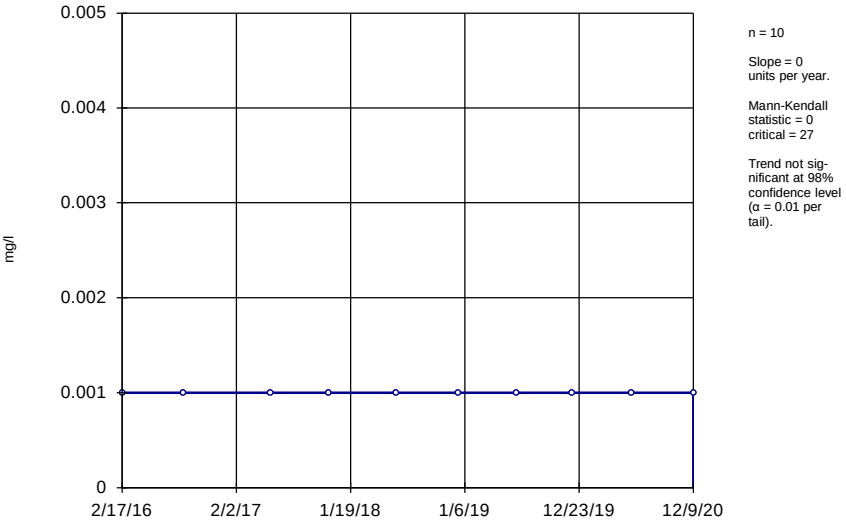
Constituent: Silver Analysis Run 6/9/2021 12:09 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-17 (bg)



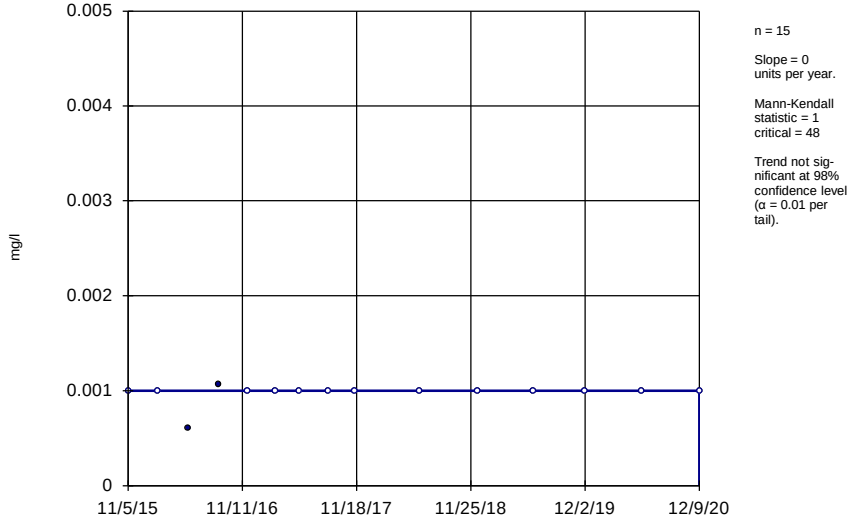
Constituent: Silver Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-19 (bg)



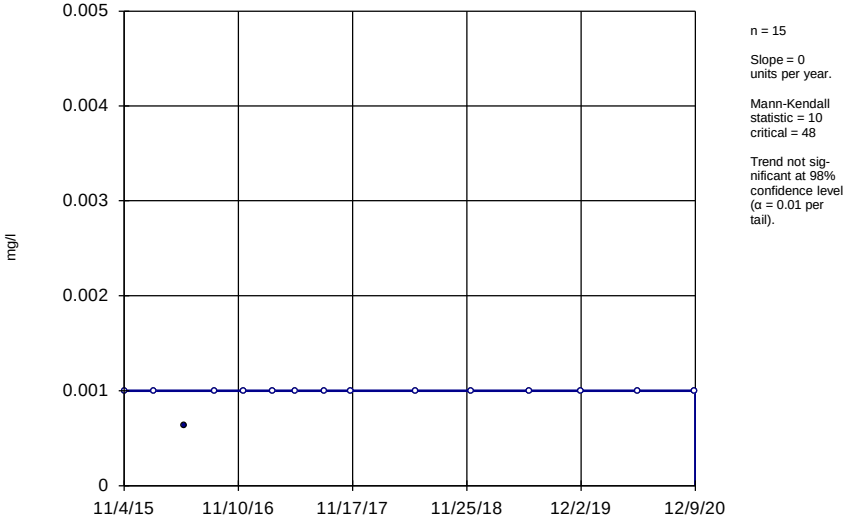
Constituent: Silver Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-21 (bg)



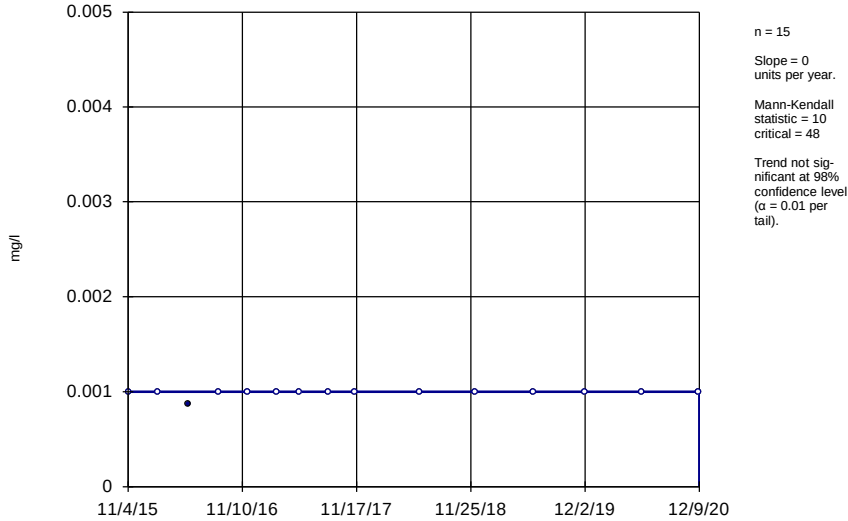
Constituent: Silver Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-23 (bg)



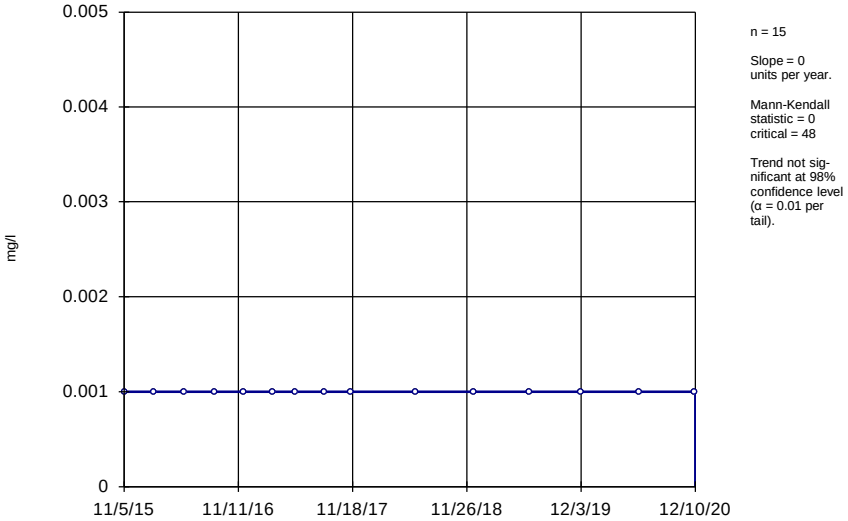
Constituent: Silver Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-22 (bg)



Constituent: Silver Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

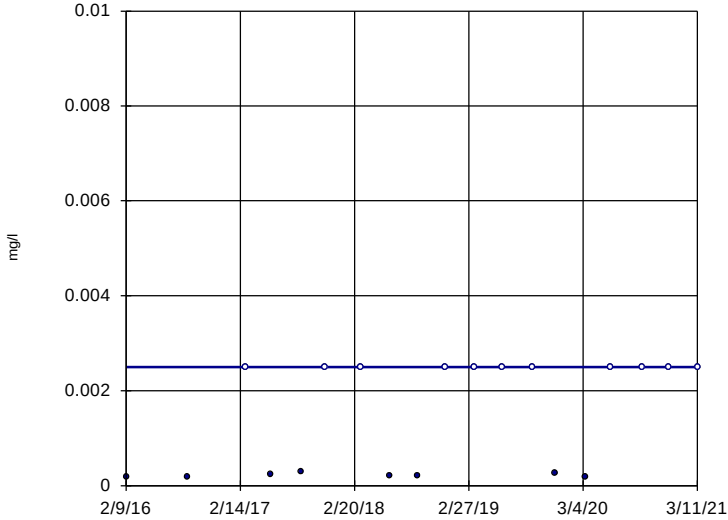
Sen's Slope Estimator
MW-24 (bg)



Constituent: Silver Analysis Run 6/9/2021 12:02 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-1



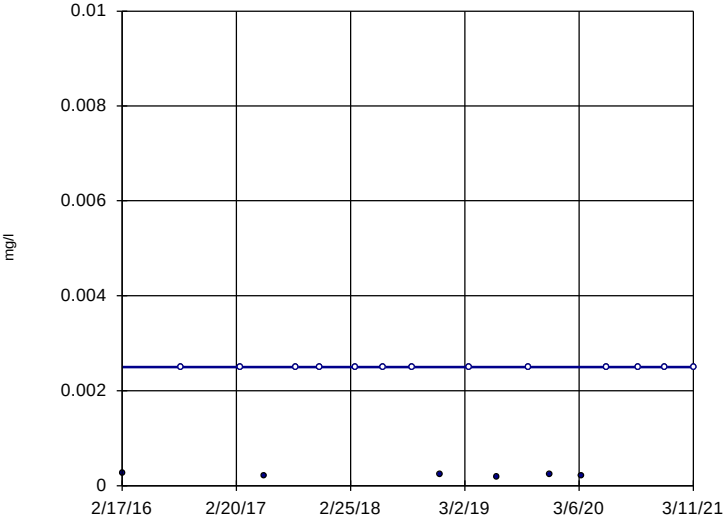
n = 19
Slope = 0
units per year.
Mann-Kendall
statistic = 49
critical = 68
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-3



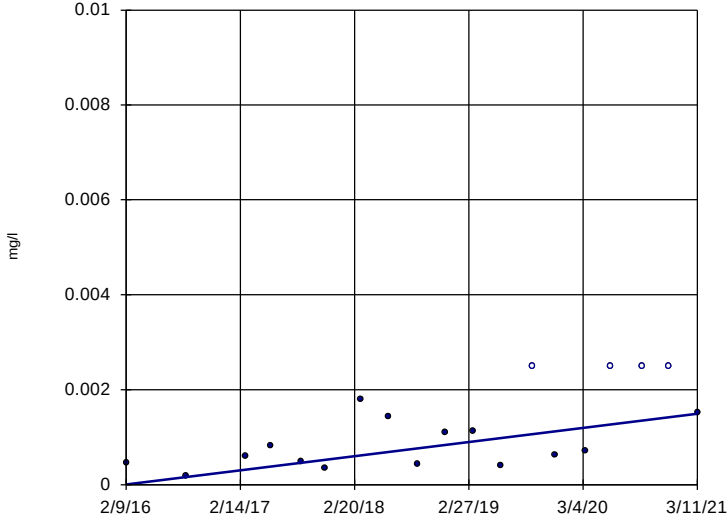
n = 19
Slope = 0
units per year.
Mann-Kendall
statistic = 5
critical = 68
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-2 (bg)



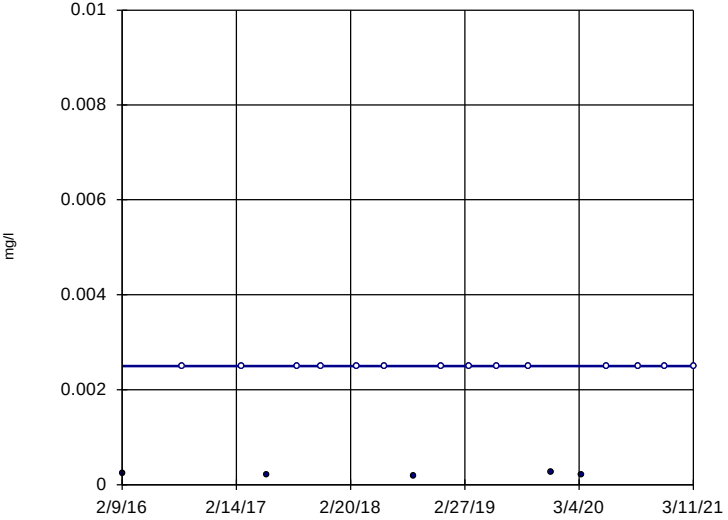
n = 19
Slope = 0.0002927
units per year.
Mann-Kendall
statistic = 77
critical = 68
Increasing trend
significant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-4R2



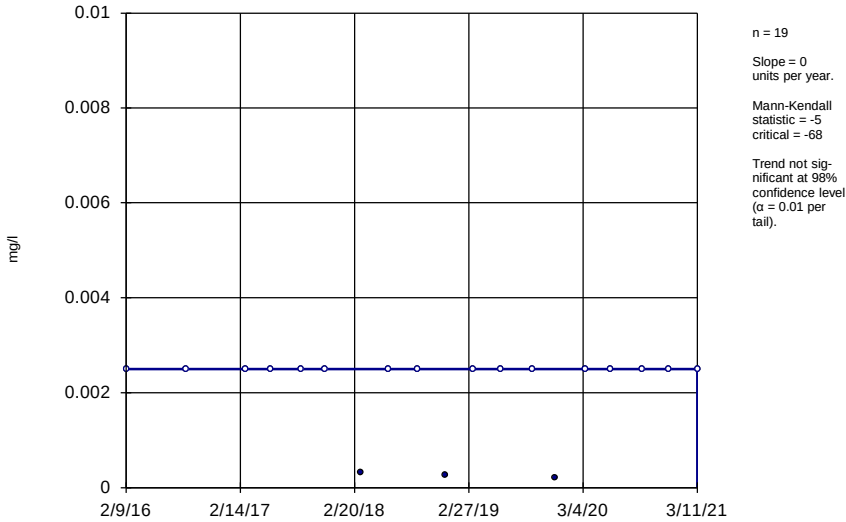
n = 19
Slope = 0
units per year.
Mann-Kendall
statistic = 14
critical = 68
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-5R

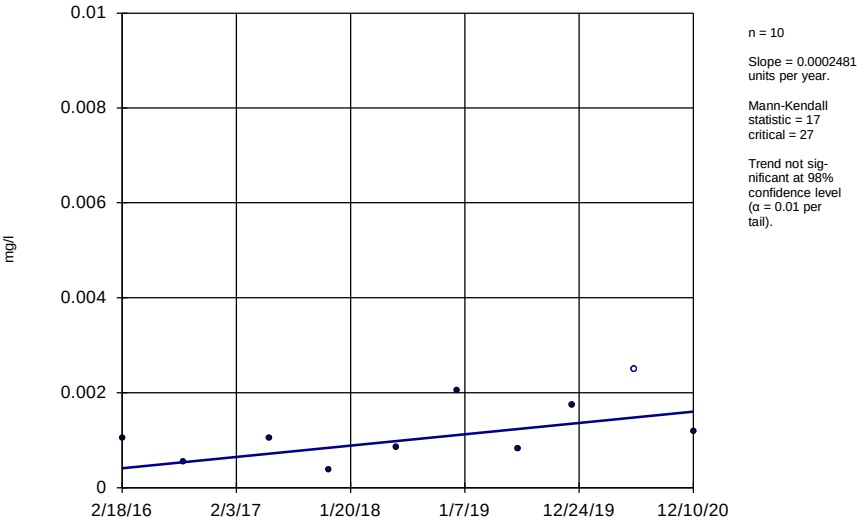


Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-10 (bg)

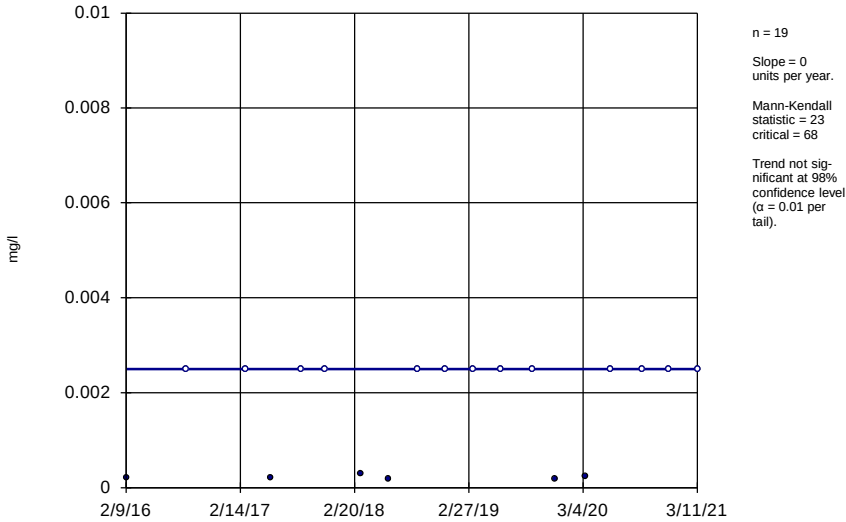


Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-6

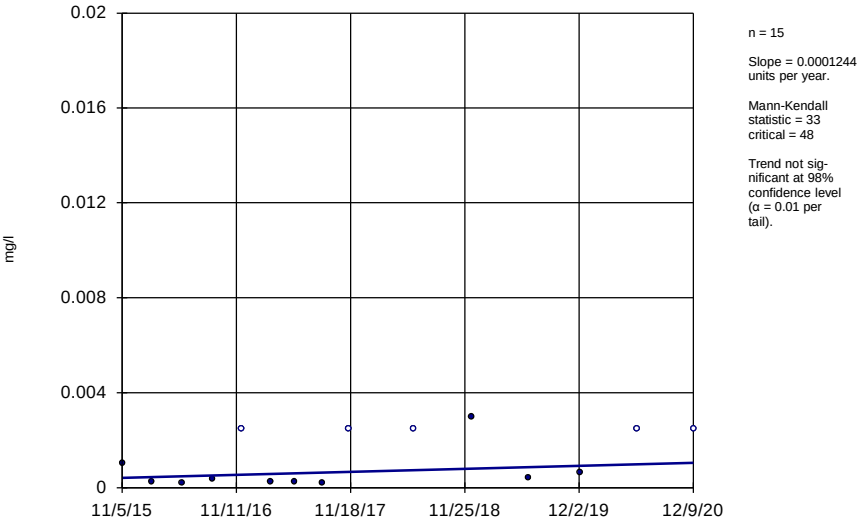


Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-11 (bg)

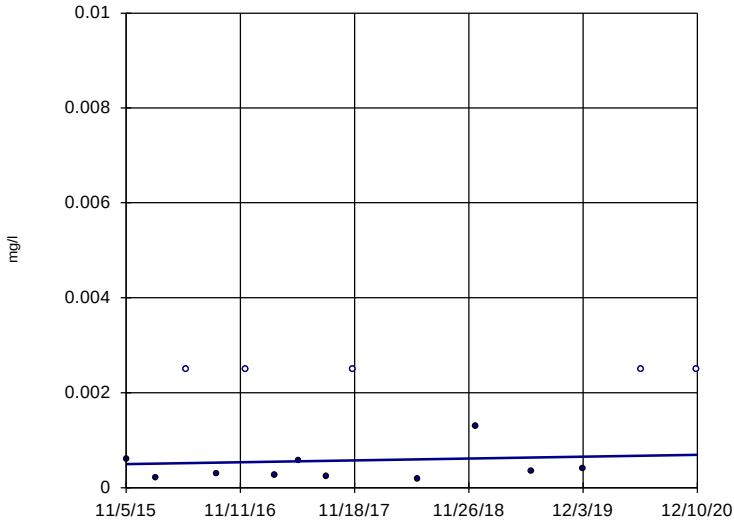


Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-12



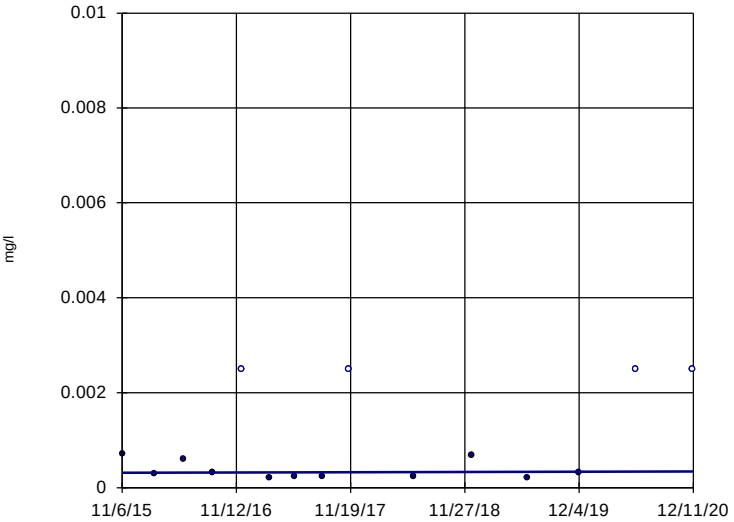
n = 15
Slope = 0.00003852
units per year.
Mann-Kendall
statistic = 15
critical = 48
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-14



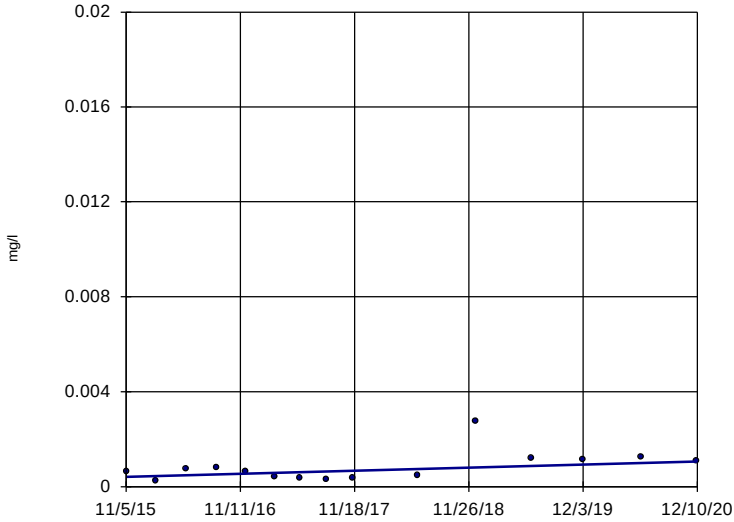
n = 15
Slope = 0.000005656
units per year.
Mann-Kendall
statistic = 9
critical = 48
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-13



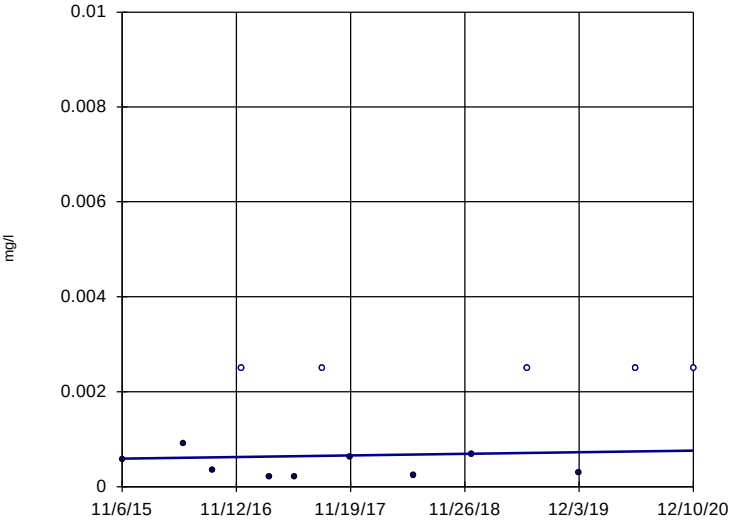
n = 15
Slope = 0.0001286
units per year.
Mann-Kendall
statistic = 31
critical = 48
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-15R



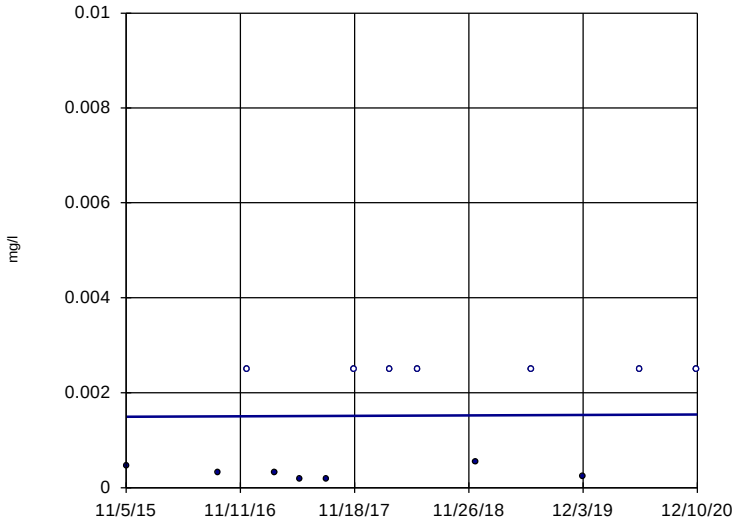
n = 14
Slope = 0.00003239
units per year.
Mann-Kendall
statistic = 19
critical = 44
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-16



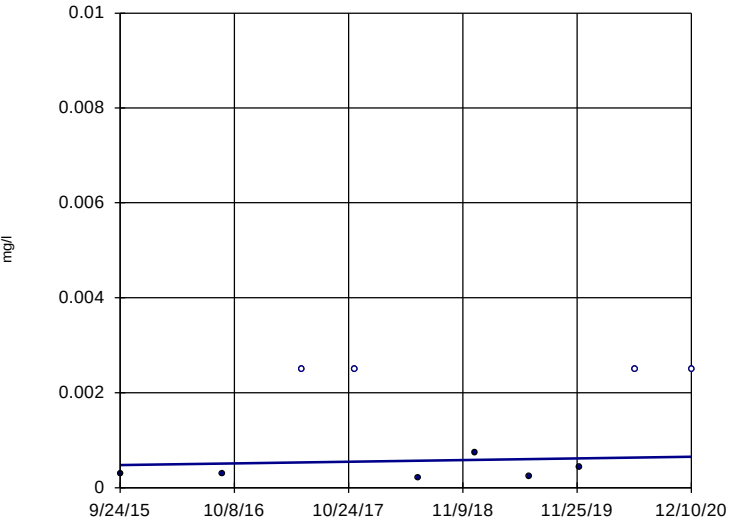
n = 14
Slope = 0.000008391
units per year.
Mann-Kendall
statistic = 22
critical = 44
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-18 (bg)



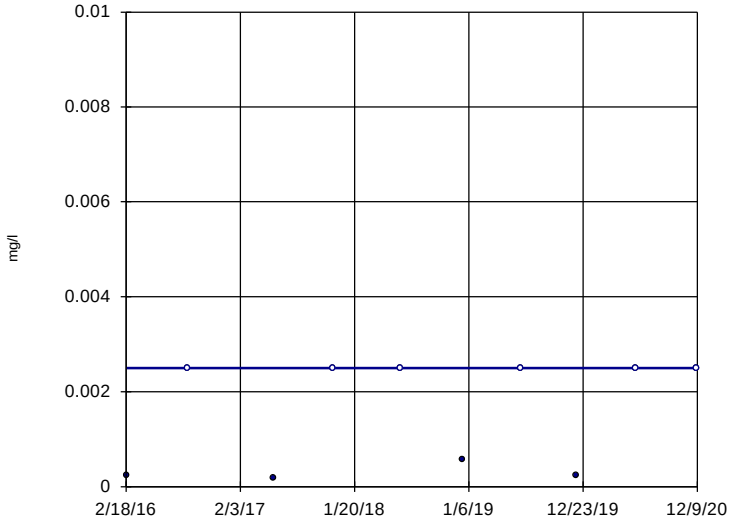
n = 10
Slope = 0.00003443
units per year.
Mann-Kendall
statistic = 9
critical = 27
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:09 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-17 (bg)



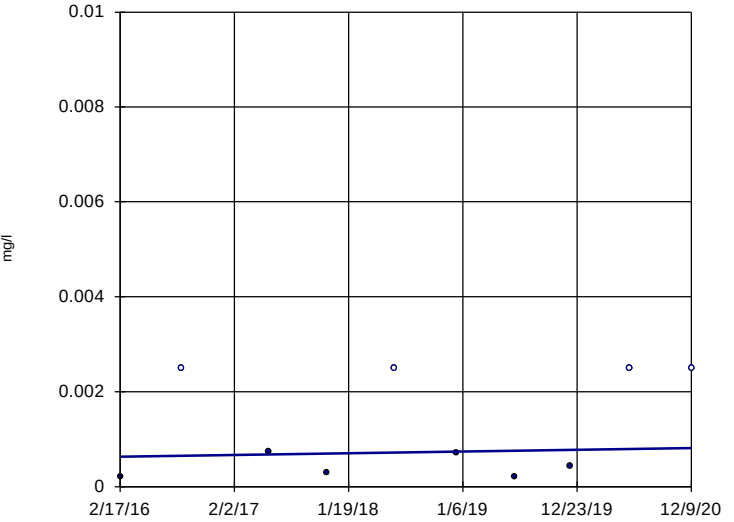
n = 10
Slope = 0
units per year.
Mann-Kendall
statistic = 8
critical = 27
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-19 (bg)



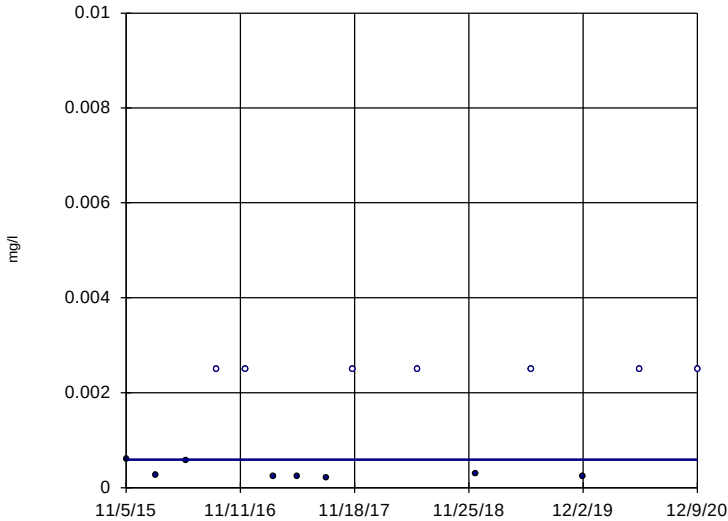
n = 10
Slope = 0.00003673
units per year.
Mann-Kendall
statistic = 7
critical = 27
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-21 (bg)



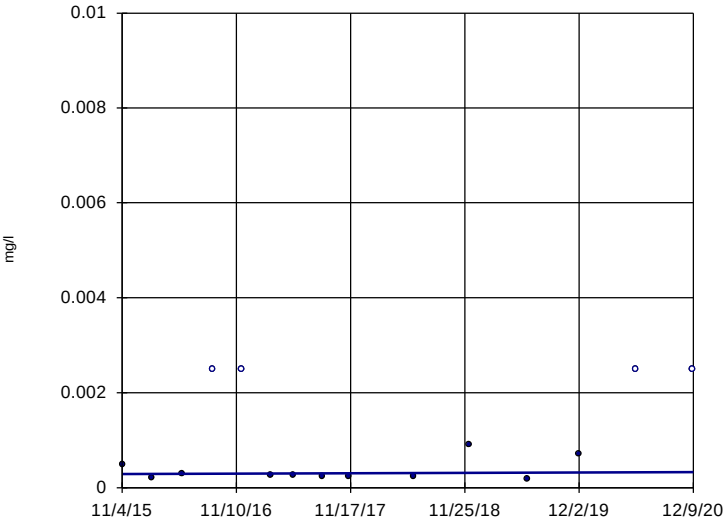
n = 15
Slope = 0
units per year.
Mann-Kendall
statistic = 12
critical = 48
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-23 (bg)



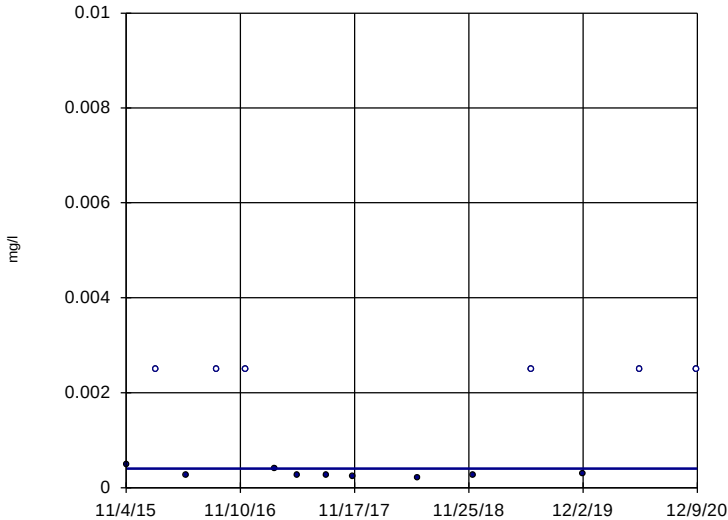
n = 15
Slope = 0.000009007
units per year.
Mann-Kendall
statistic = 9
critical = 48
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:03 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-22 (bg)



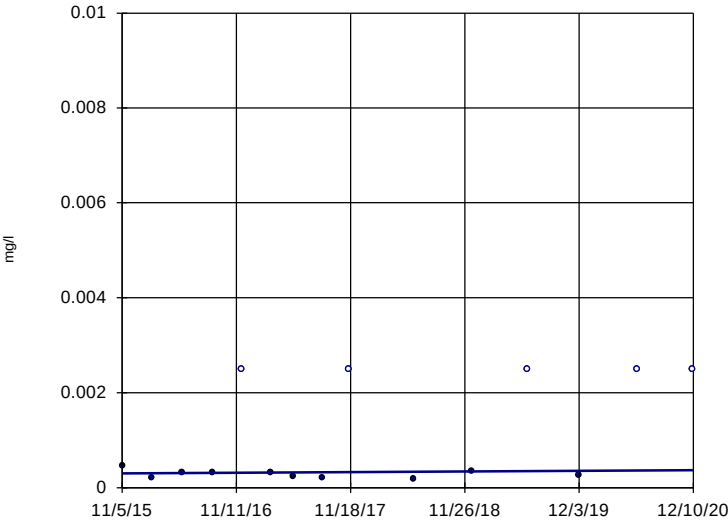
n = 15
Slope = 0
units per year.
Mann-Kendall
statistic = -4
critical = -48
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:02 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-24 (bg)



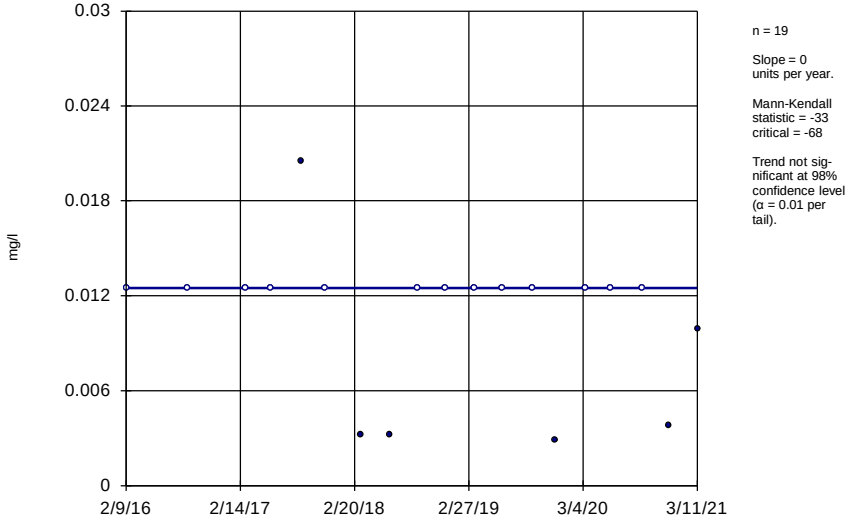
n = 15
Slope = 0.00001295
units per year.
Mann-Kendall
statistic = 19
critical = 48
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Vanadium Analysis Run 6/9/2021 12:03 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-1

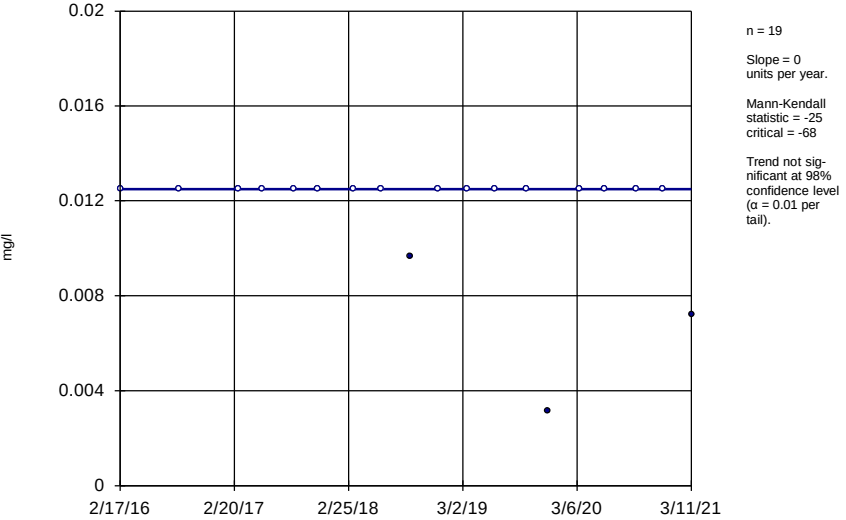


Constituent: Zinc Analysis Run 6/9/2021 12:03 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-3

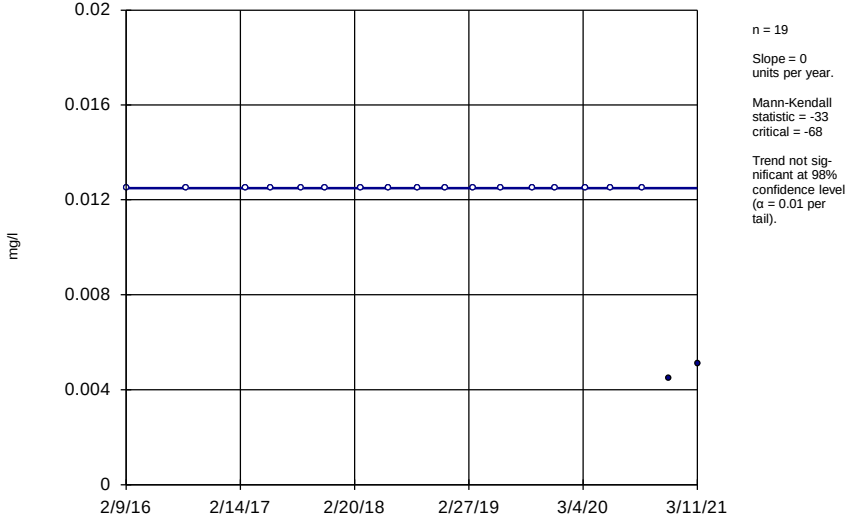


Constituent: Zinc Analysis Run 6/9/2021 12:03 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-2 (bg)

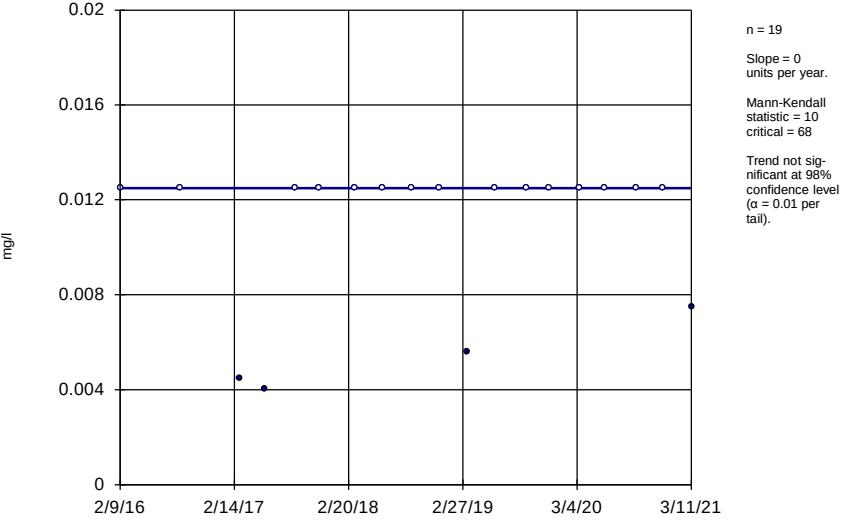


Constituent: Zinc Analysis Run 6/9/2021 12:03 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-4R2

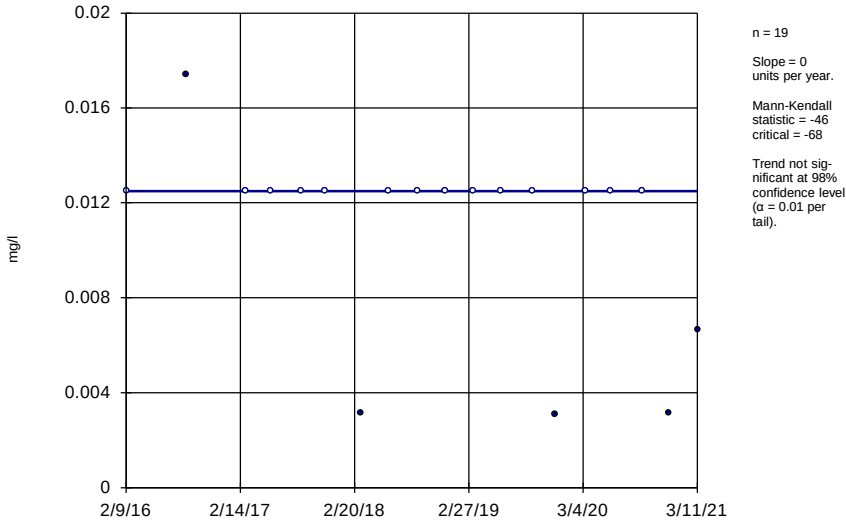


Constituent: Zinc Analysis Run 6/9/2021 12:03 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-5R

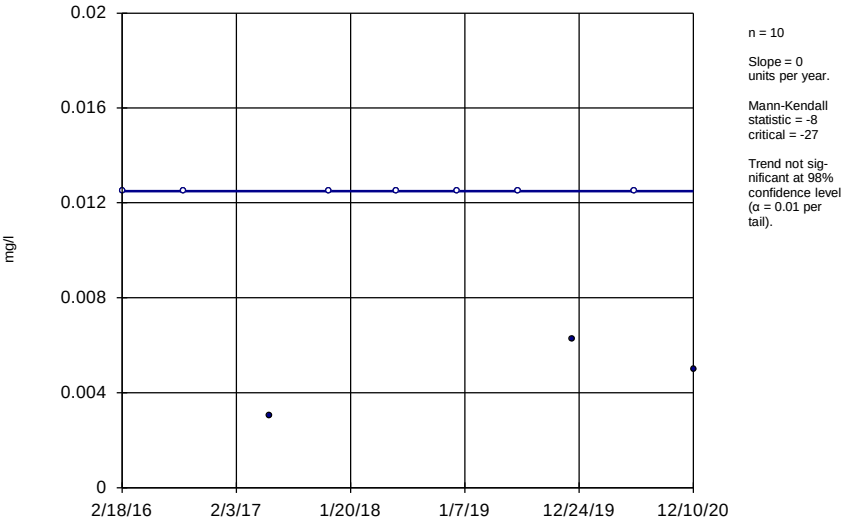


Constituent: Zinc Analysis Run 6/9/2021 12:03 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-10 (bg)

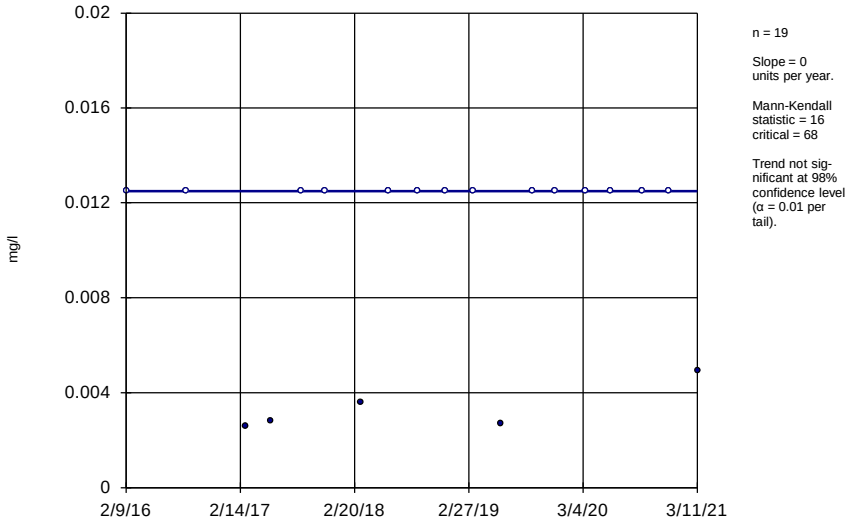


Constituent: Zinc Analysis Run 6/9/2021 12:03 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-6

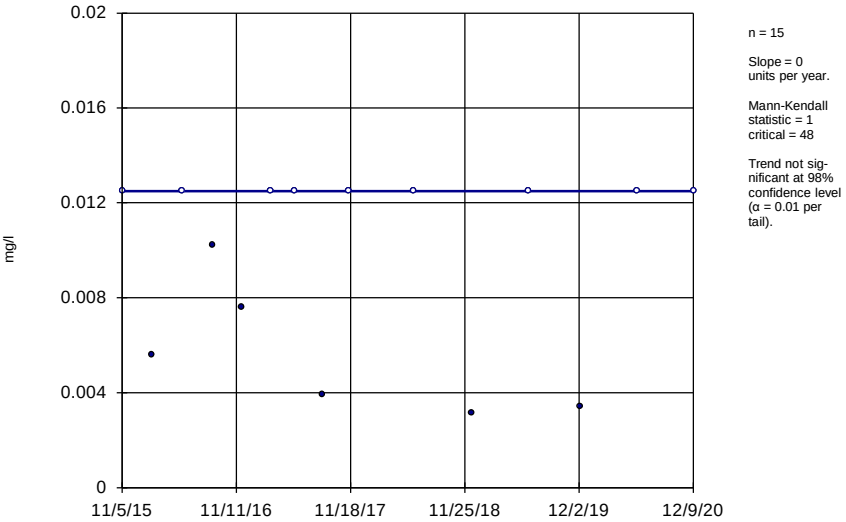


Constituent: Zinc Analysis Run 6/9/2021 12:03 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

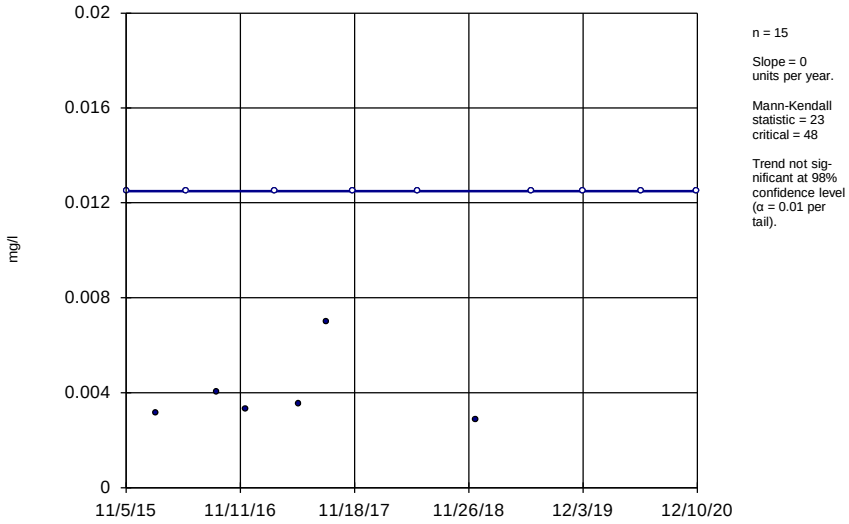
MW-11 (bg)



Constituent: Zinc Analysis Run 6/9/2021 12:03 PM

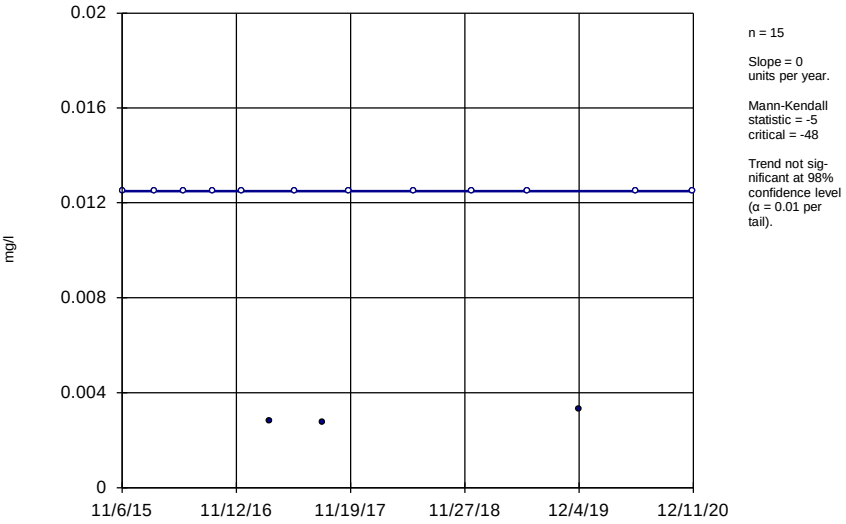
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-12



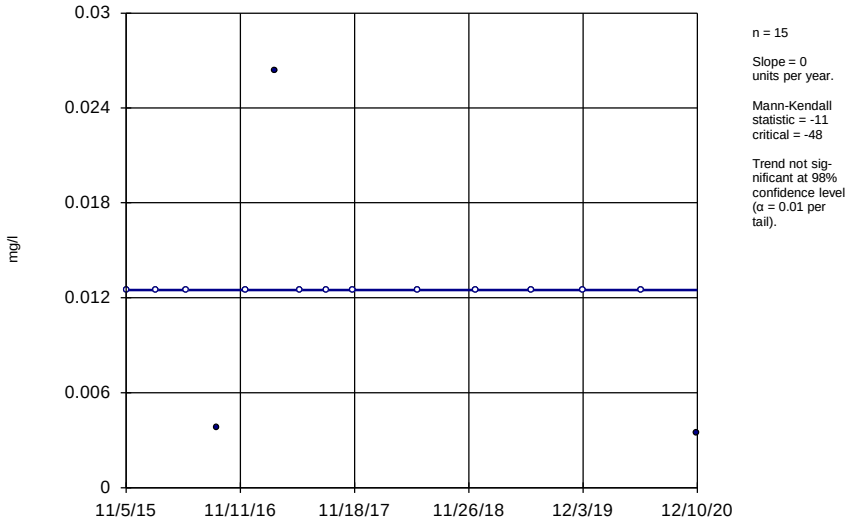
Constituent: Zinc Analysis Run 6/9/2021 12:03 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-14



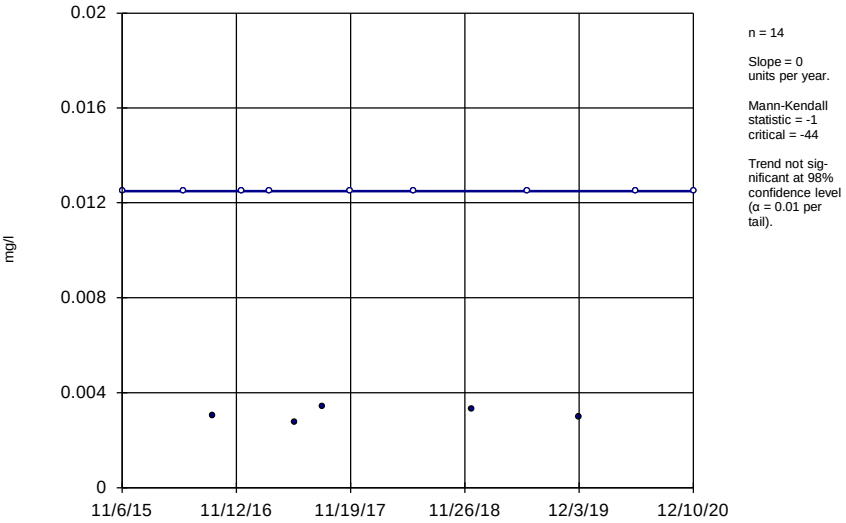
Constituent: Zinc Analysis Run 6/9/2021 12:03 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator
MW-13



Constituent: Zinc Analysis Run 6/9/2021 12:03 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

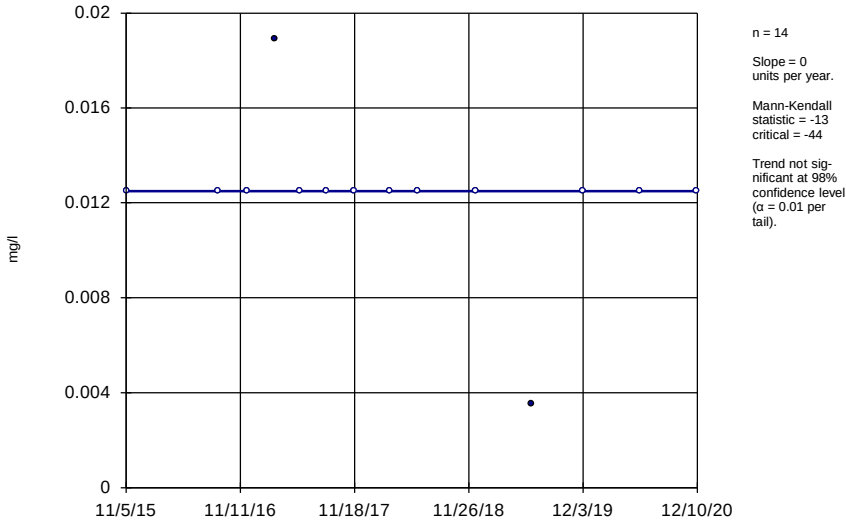
Sen's Slope Estimator
MW-15R



Constituent: Zinc Analysis Run 6/9/2021 12:03 PM
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-16

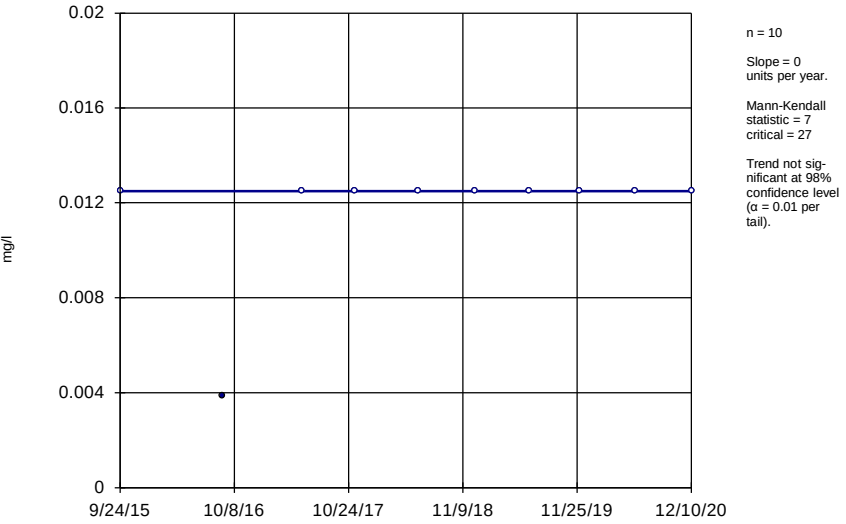


Constituent: Zinc Analysis Run 6/9/2021 12:03 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-18 (bg)

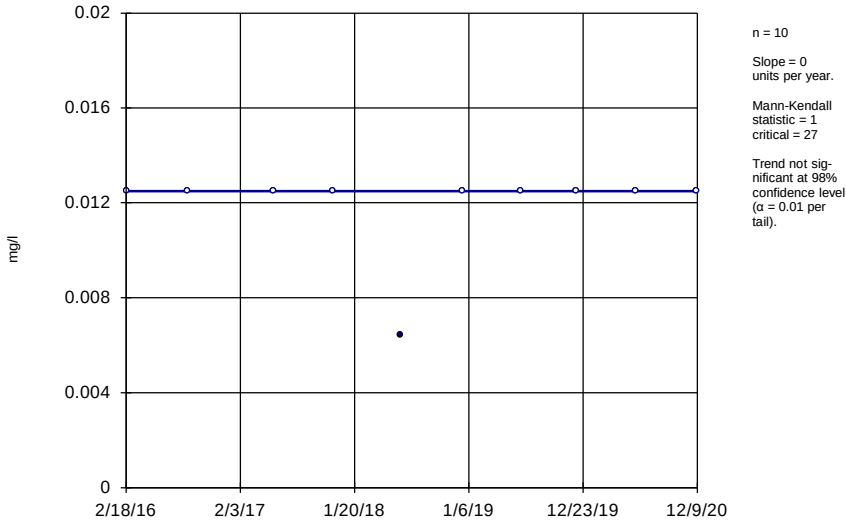


Constituent: Zinc Analysis Run 6/9/2021 12:09 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-17 (bg)

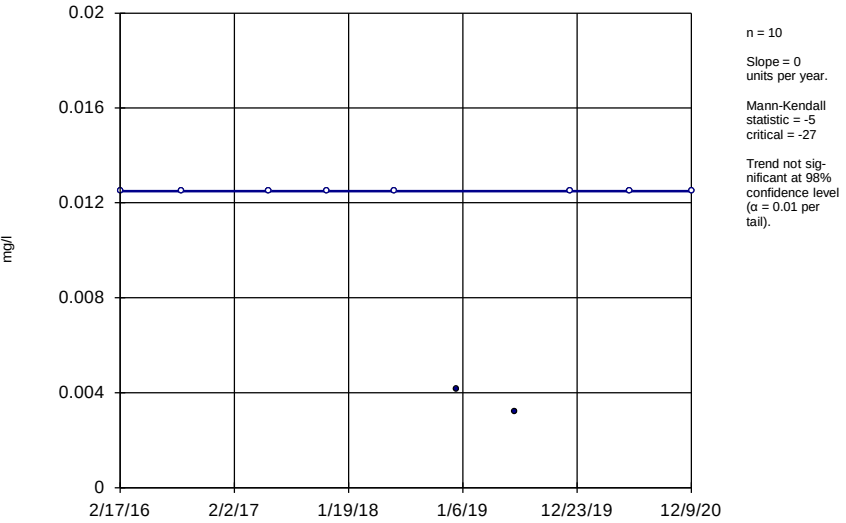


Constituent: Zinc Analysis Run 6/9/2021 12:03 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-19 (bg)

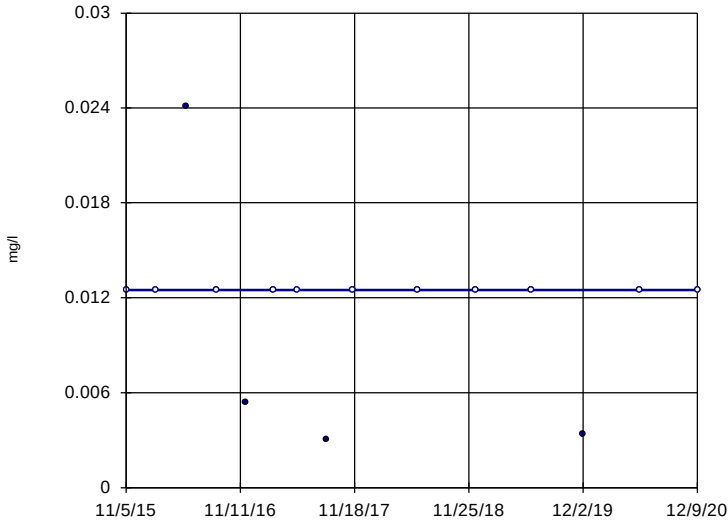


Constituent: Zinc Analysis Run 6/9/2021 12:03 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-21 (bg)



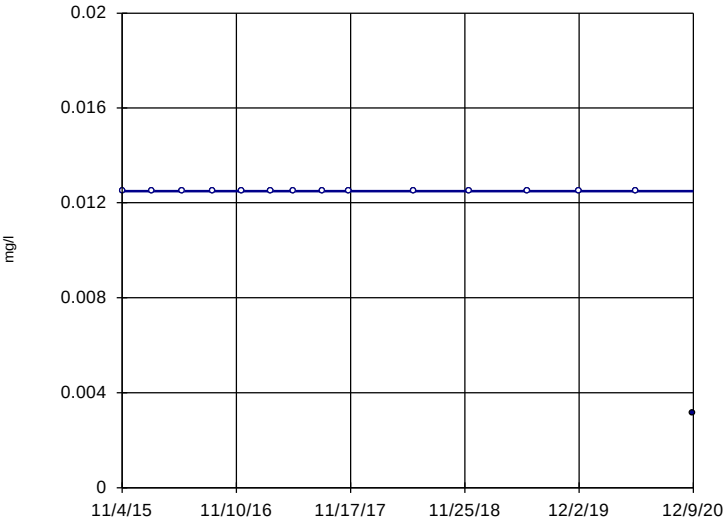
n = 15
Slope = 0
units per year.
Mann-Kendall
statistic = -12
critical = -48
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Zinc Analysis Run 6/9/2021 12:03 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-23 (bg)



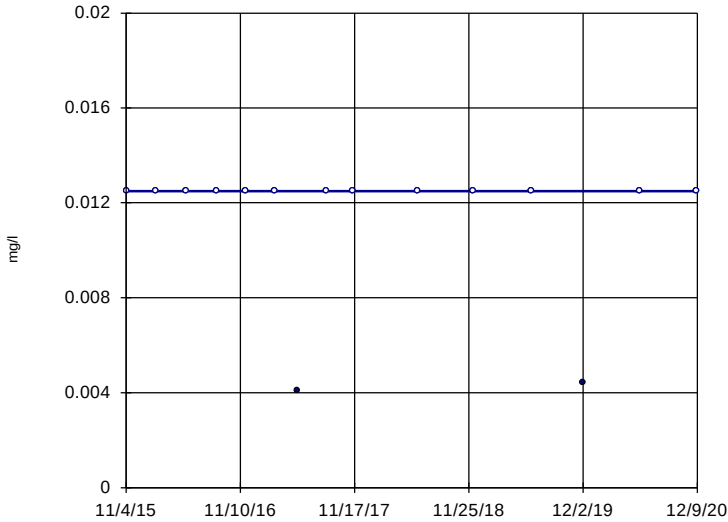
n = 15
Slope = 0
units per year.
Mann-Kendall
statistic = -14
critical = -48
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Zinc Analysis Run 6/9/2021 12:03 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-22 (bg)



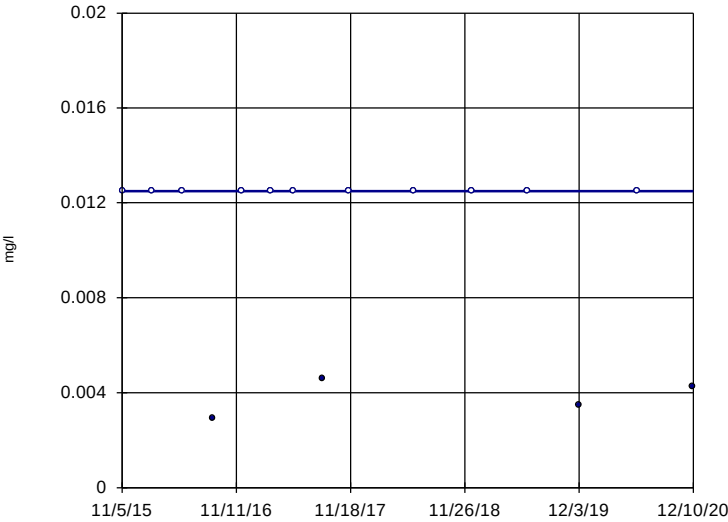
n = 15
Slope = 0
units per year.
Mann-Kendall
statistic = -7
critical = -48
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Zinc Analysis Run 6/9/2021 12:03 PM

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-24 (bg)



n = 15
Slope = 0
units per year.
Mann-Kendall
statistic = -14
critical = -48
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Zinc Analysis Run 6/9/2021 12:03 PM

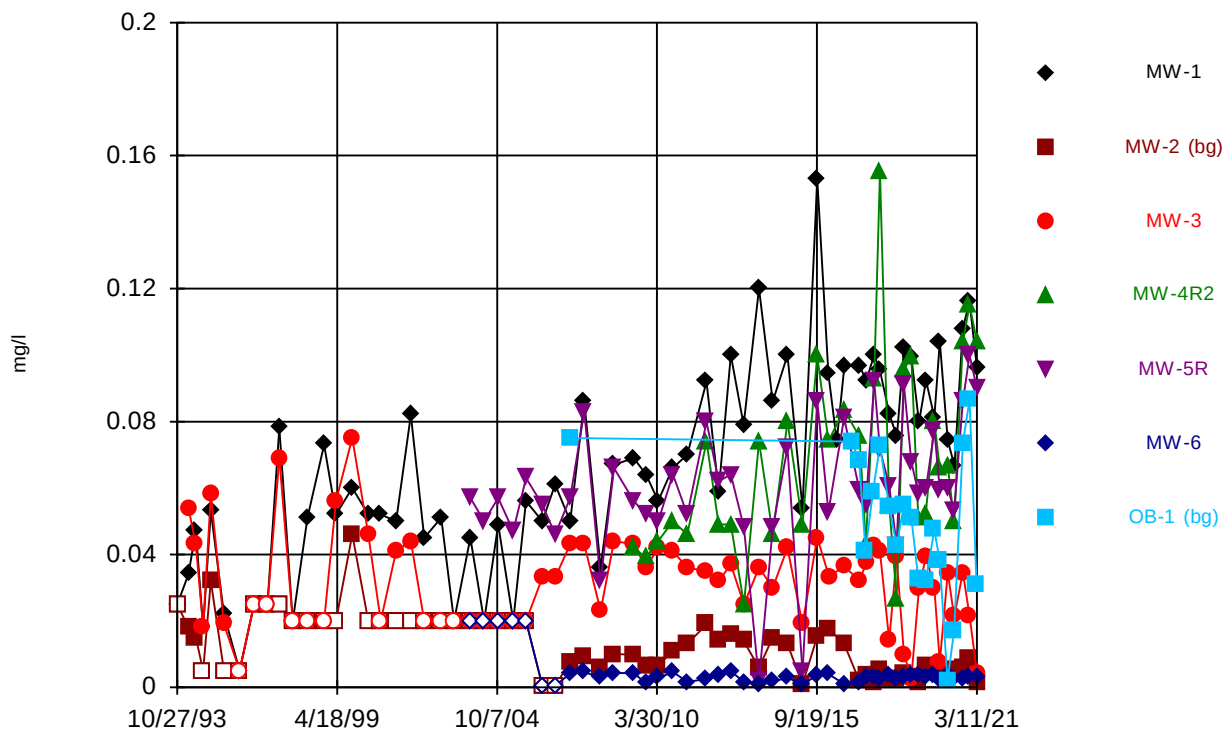
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

APPENDIX E

Distributional Plots

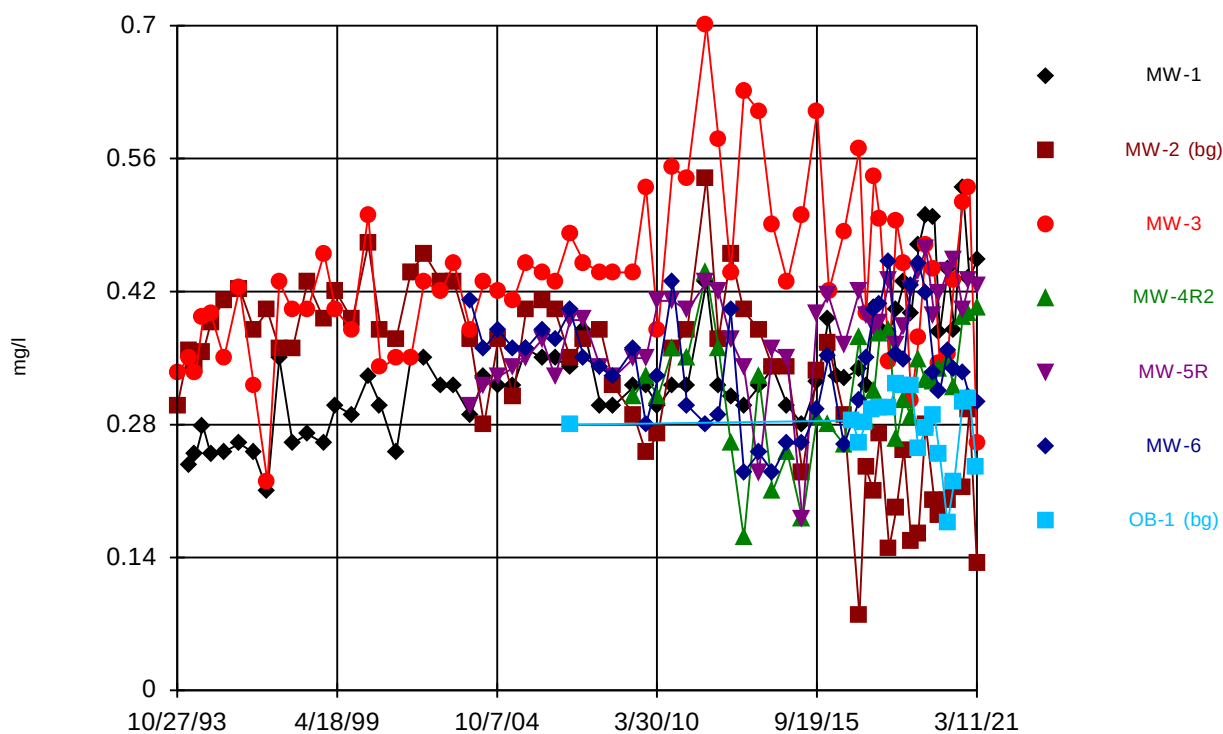
Time-Series Plots

Time Series



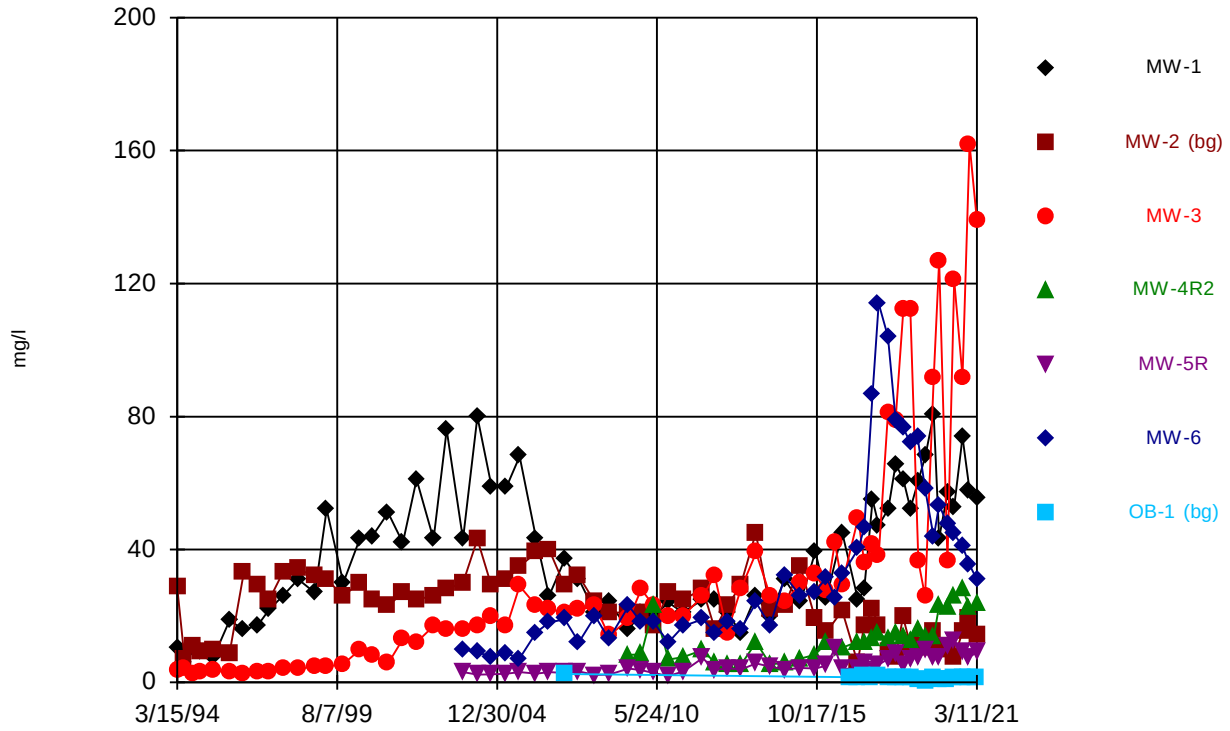
Constituent: Arsenic Analysis Run 3/29/2021 2:34 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Time Series



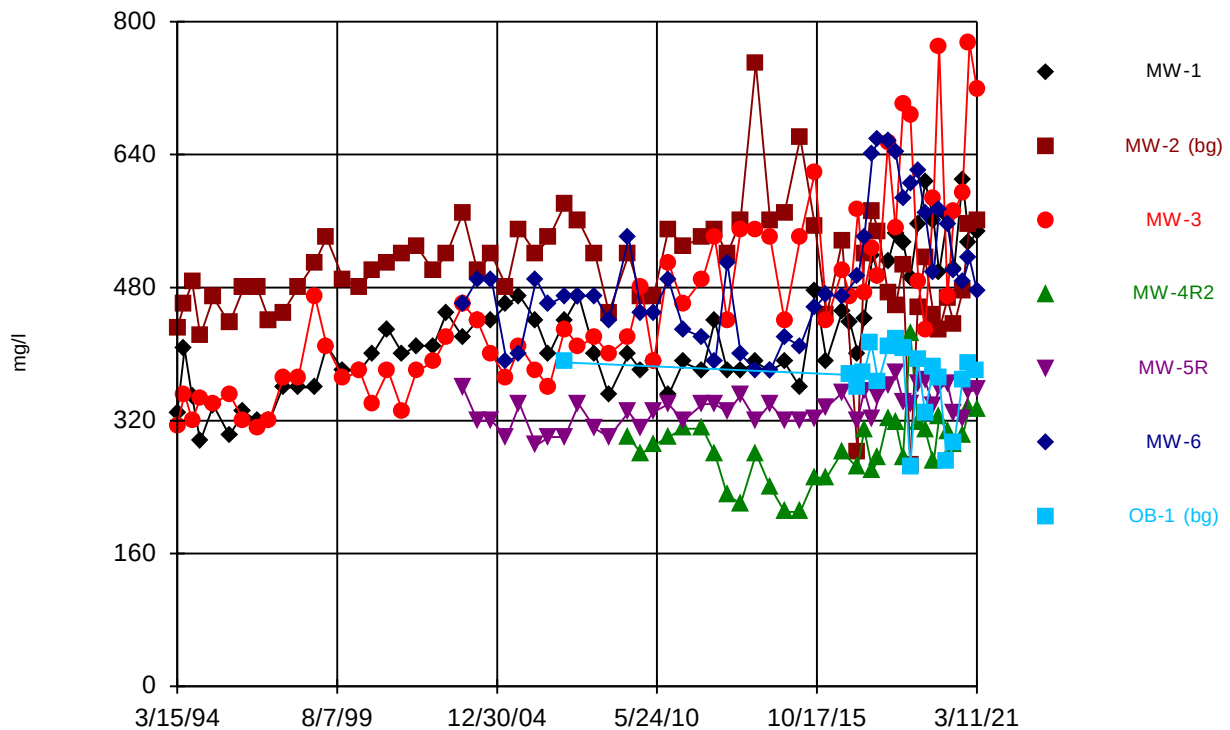
Constituent: Barium Analysis Run 3/29/2021 2:34 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Time Series



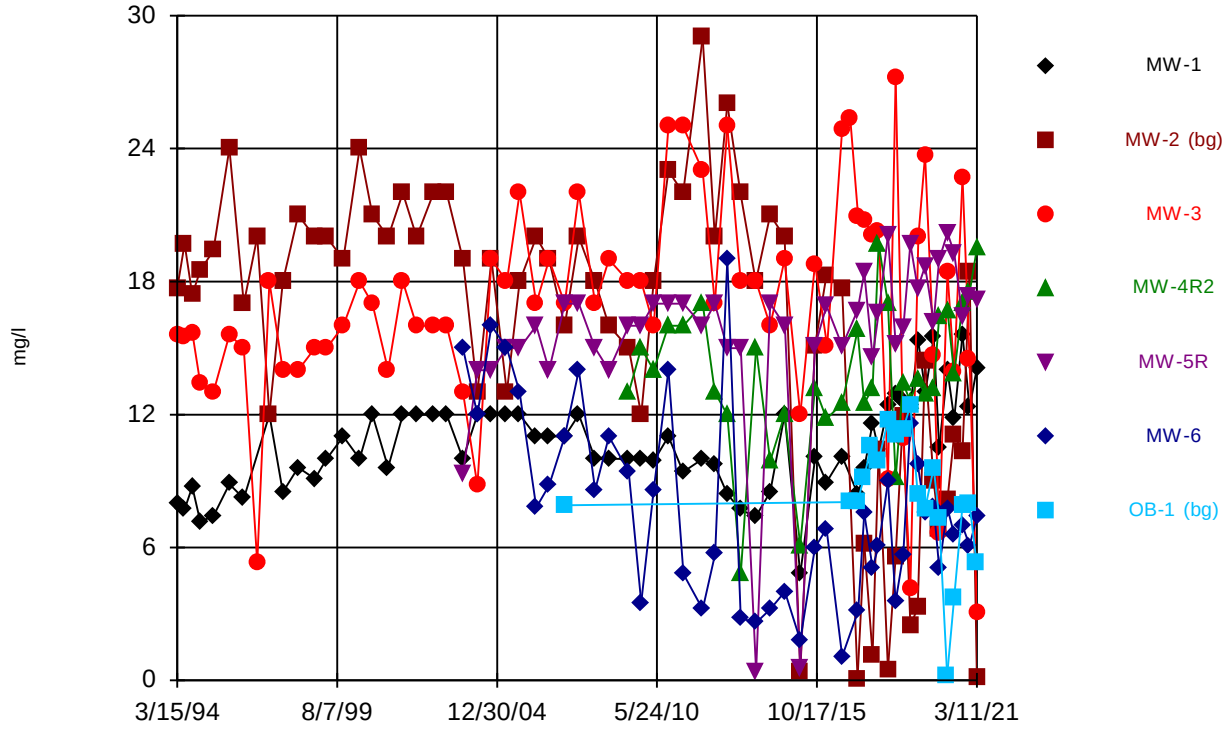
Constituent: Chloride Analysis Run 3/29/2021 2:34 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Time Series



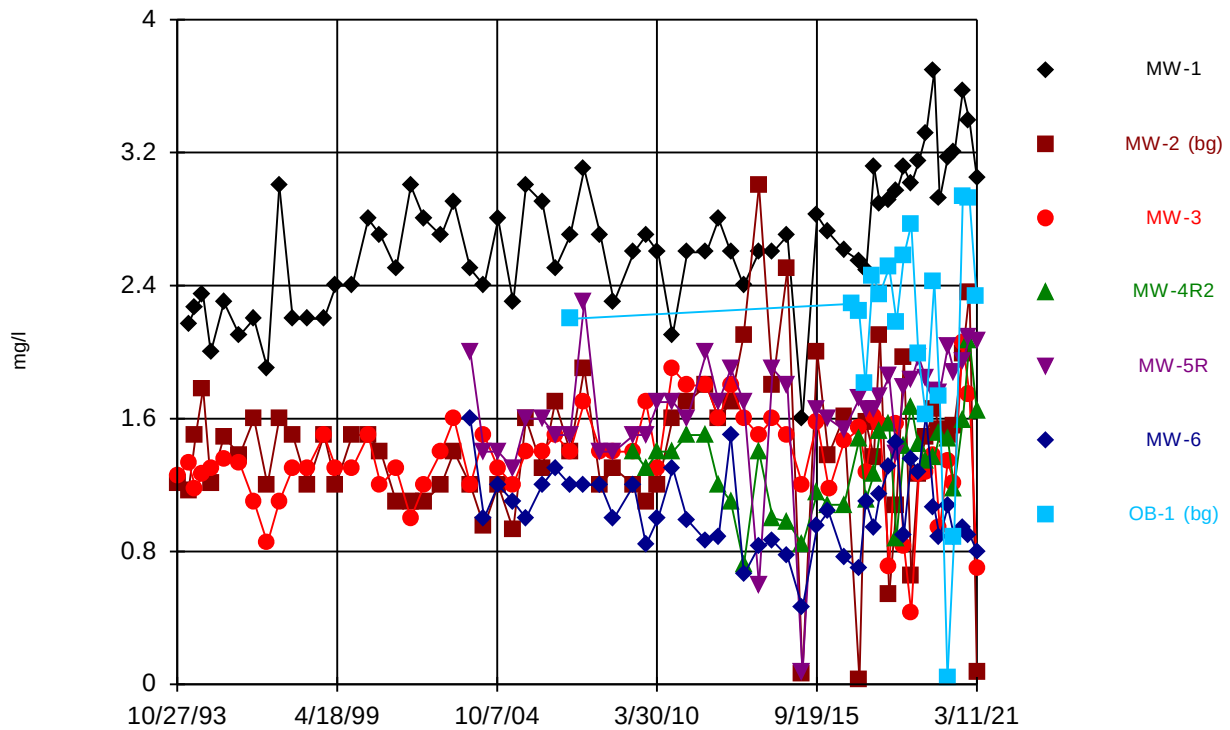
Constituent: Dissolved Solids Analysis Run 3/29/2021 2:34 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Time Series



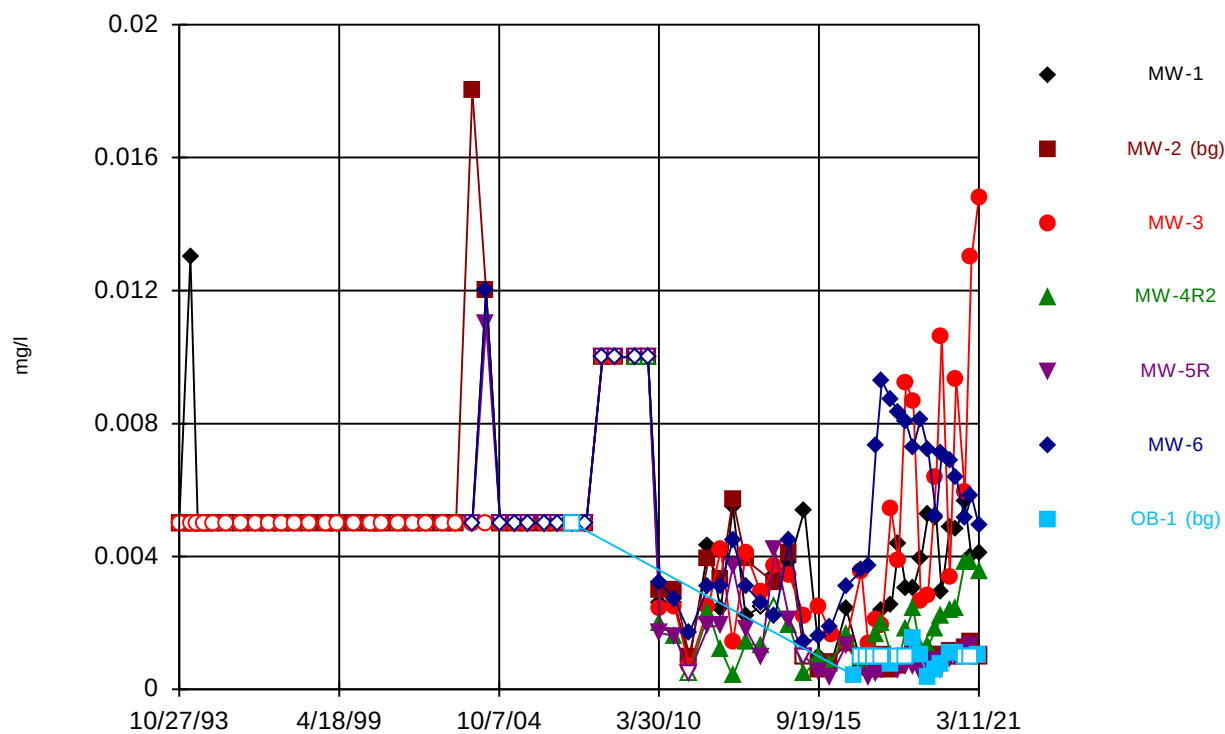
Constituent: Iron Analysis Run 3/29/2021 2:34 PM View: 2021-1Q Distributional
 Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Time Series



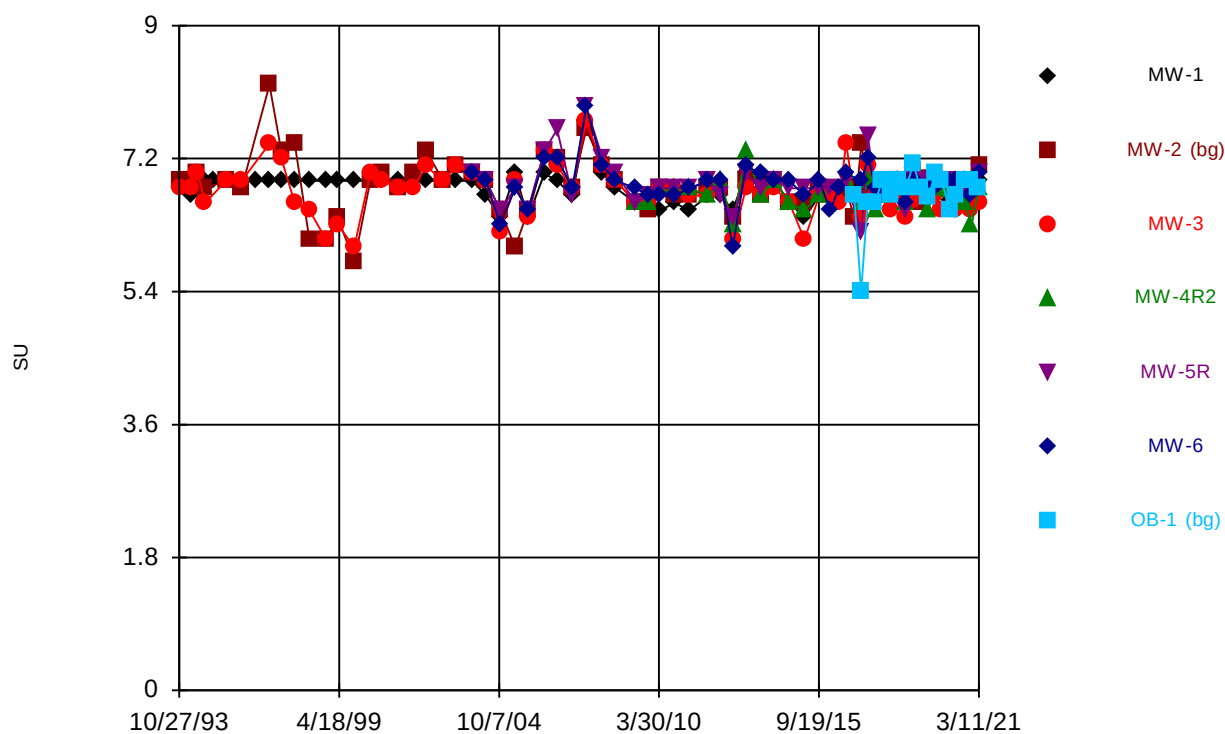
Constituent: Manganese Analysis Run 3/29/2021 2:34 PM View: 2021-1Q Distributional
 Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Time Series



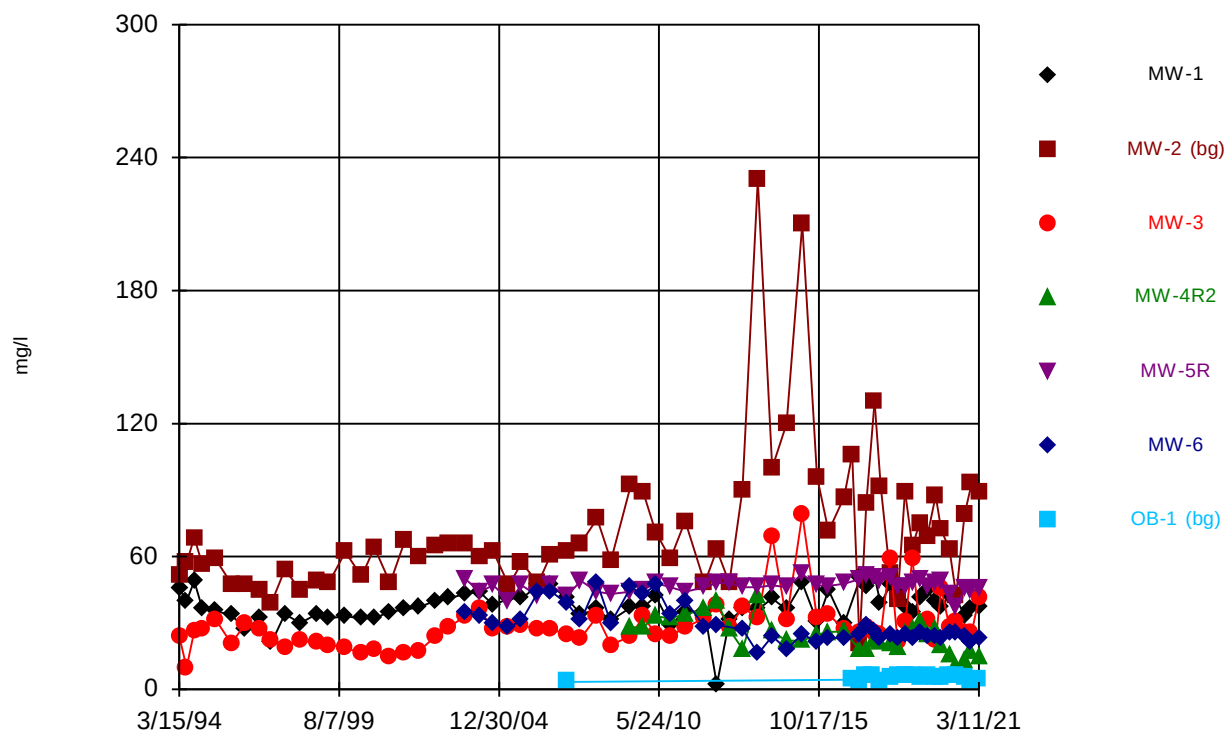
Constituent: Nickel Analysis Run 3/29/2021 2:34 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Time Series



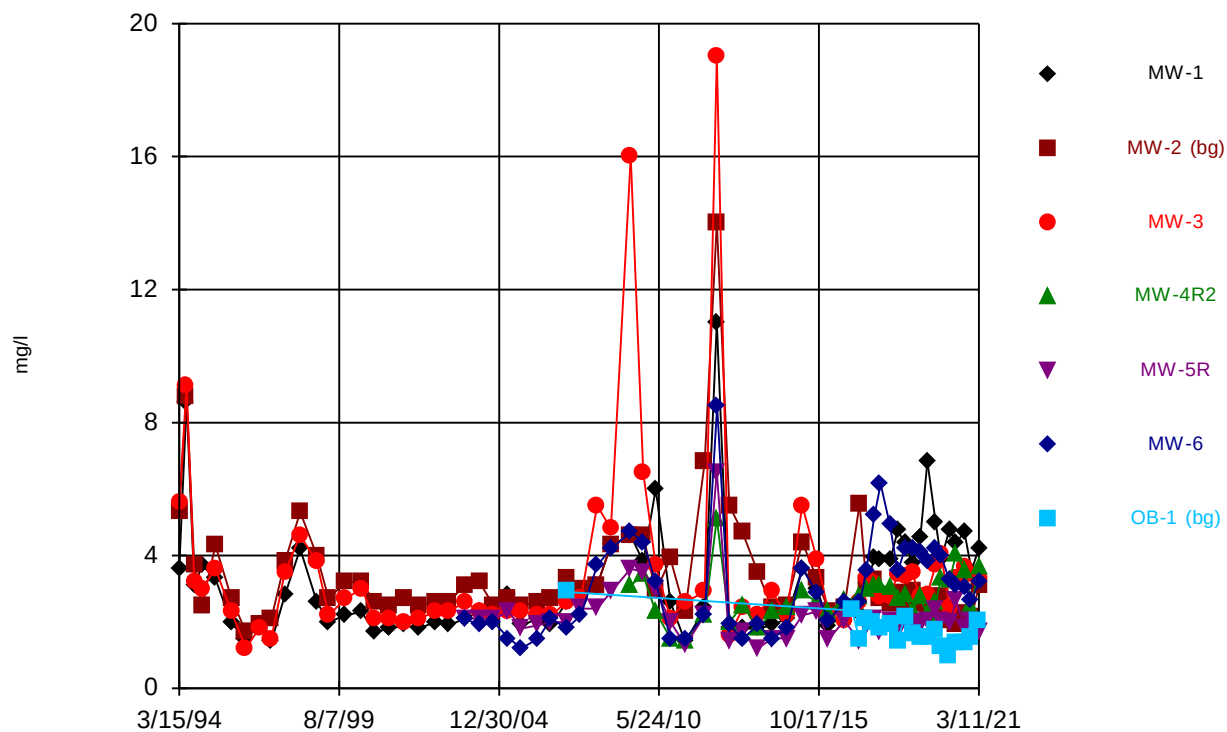
Constituent: pH Analysis Run 3/29/2021 2:34 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Time Series



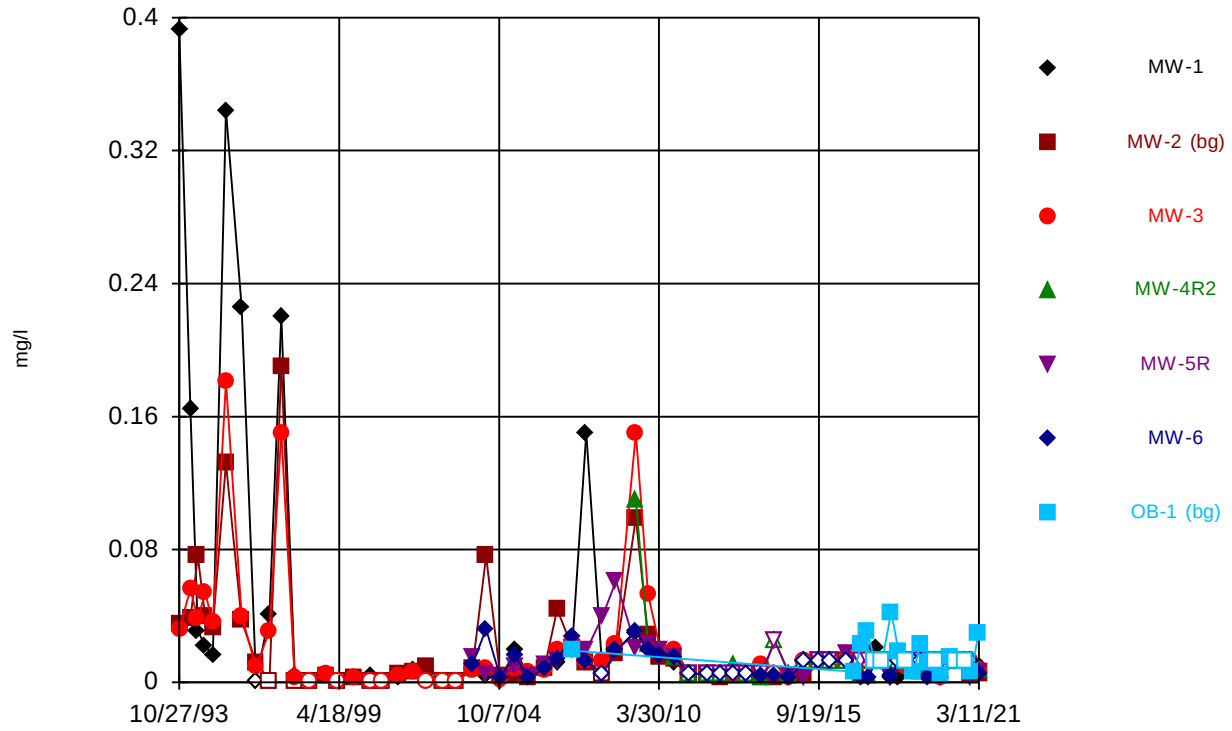
Constituent: Sulfate Analysis Run 3/29/2021 2:34 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Time Series



Constituent: TOC [Total Organic Carbon] Analysis Run 3/29/2021 2:34 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

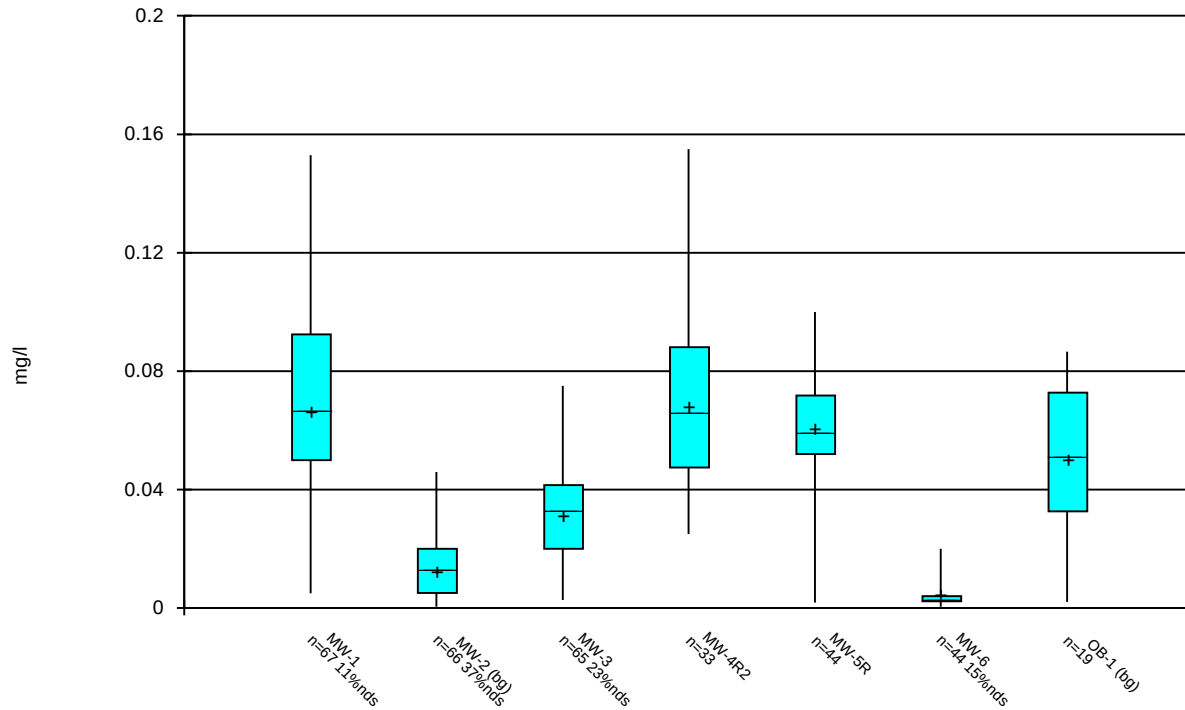
Time Series



Constituent: Zinc Analysis Run 3/31/2021 11:49 AM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

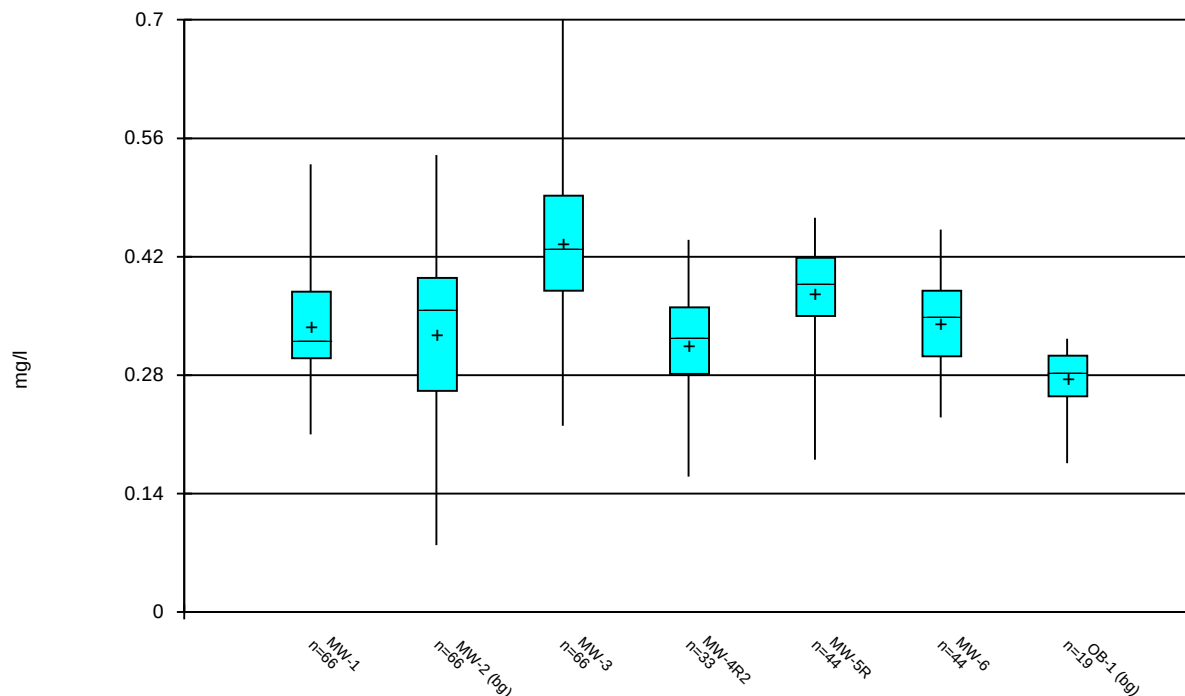
Box-and-Whisker Plots

Box & Whiskers Plot



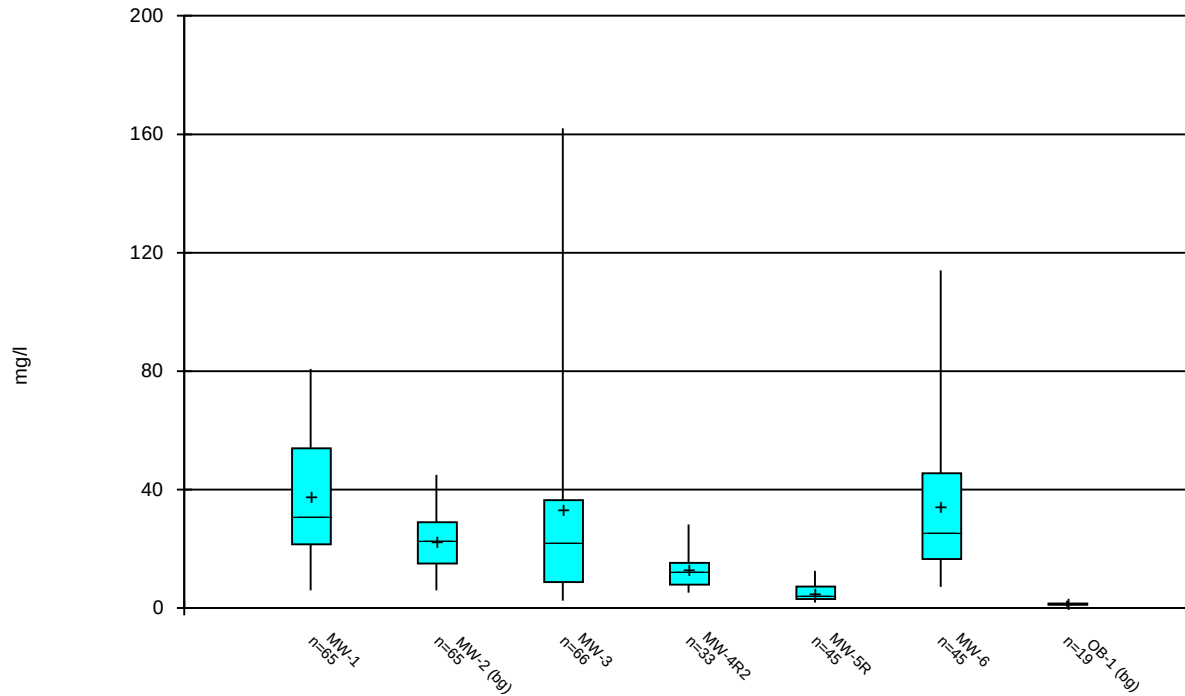
Constituent: Arsenic Analysis Run 3/29/2021 2:35 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Box & Whiskers Plot



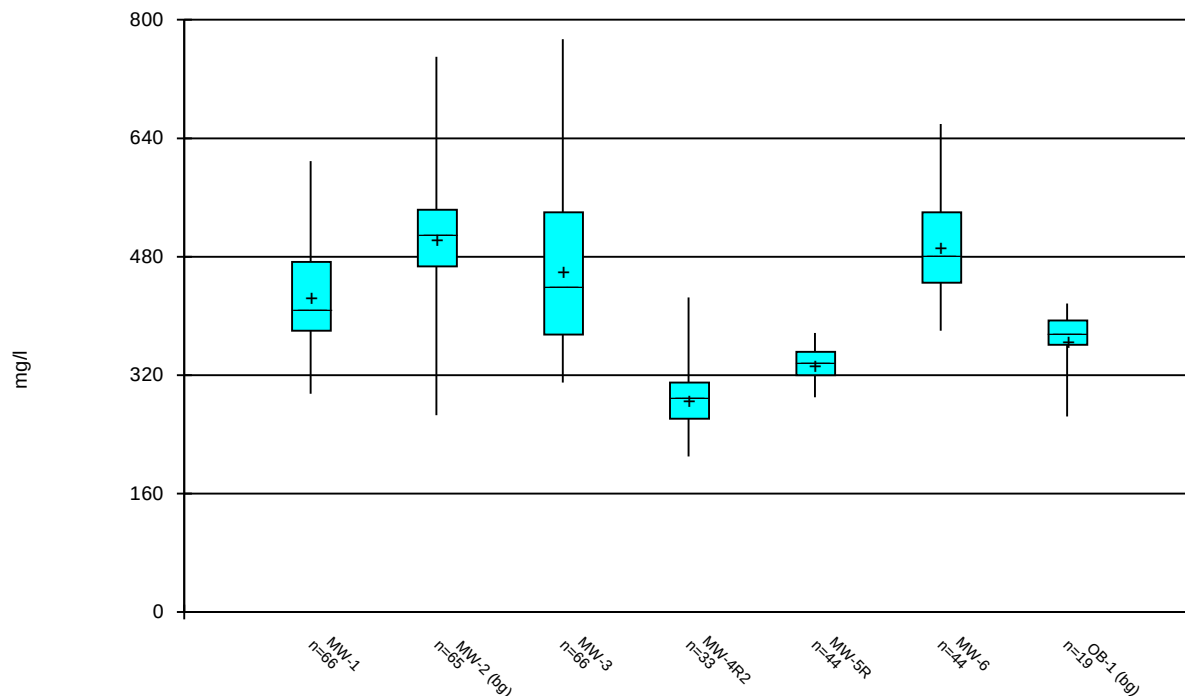
Constituent: Barium Analysis Run 3/29/2021 2:35 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Box & Whiskers Plot



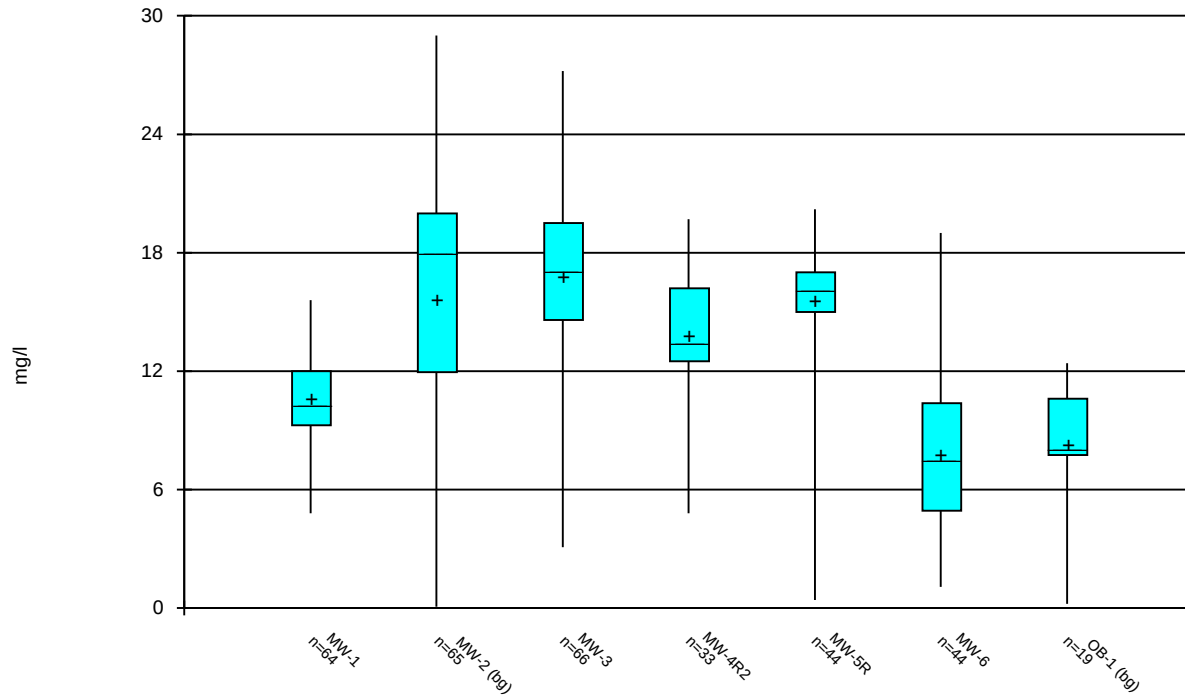
Constituent: Chloride Analysis Run 3/29/2021 2:35 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Box & Whiskers Plot



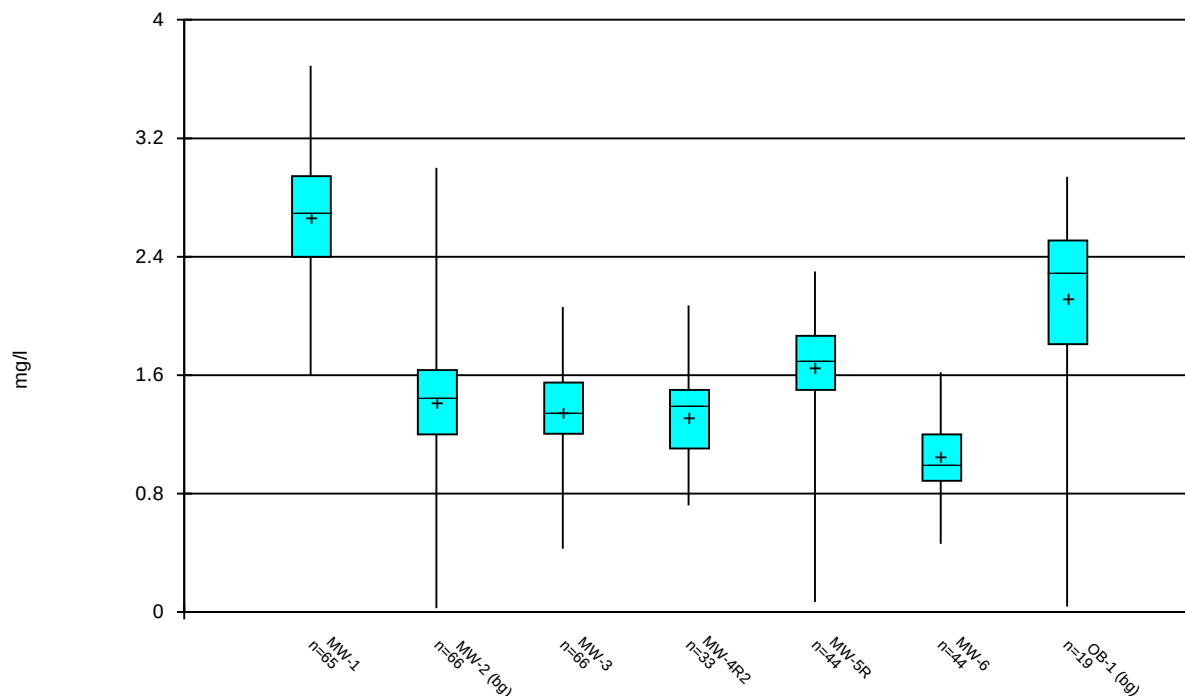
Constituent: Dissolved Solids Analysis Run 3/29/2021 2:35 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Box & Whiskers Plot



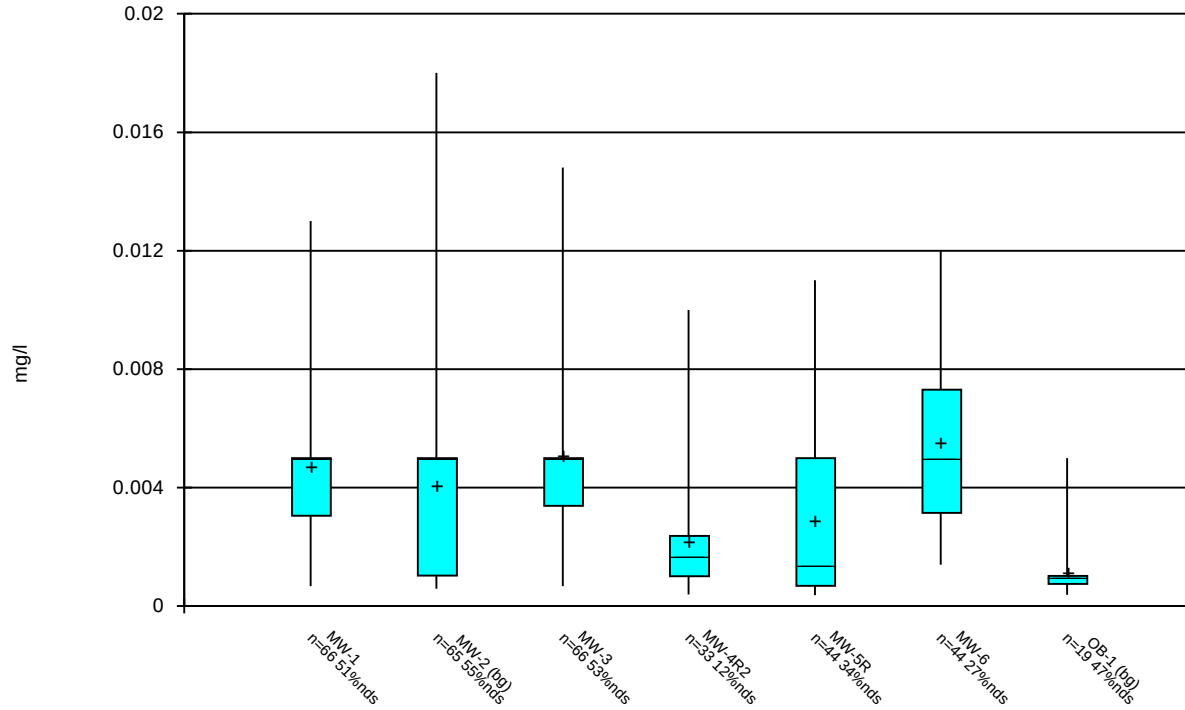
Constituent: Iron Analysis Run 3/29/2021 2:35 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Box & Whiskers Plot



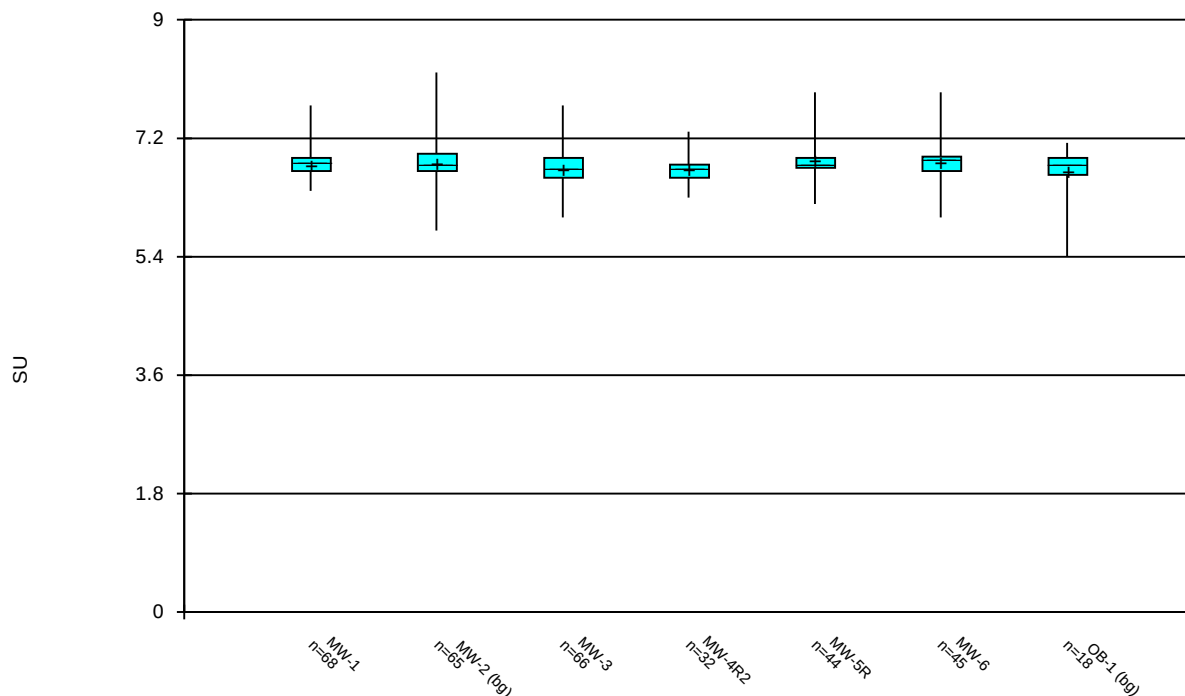
Constituent: Manganese Analysis Run 3/29/2021 2:35 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Box & Whiskers Plot



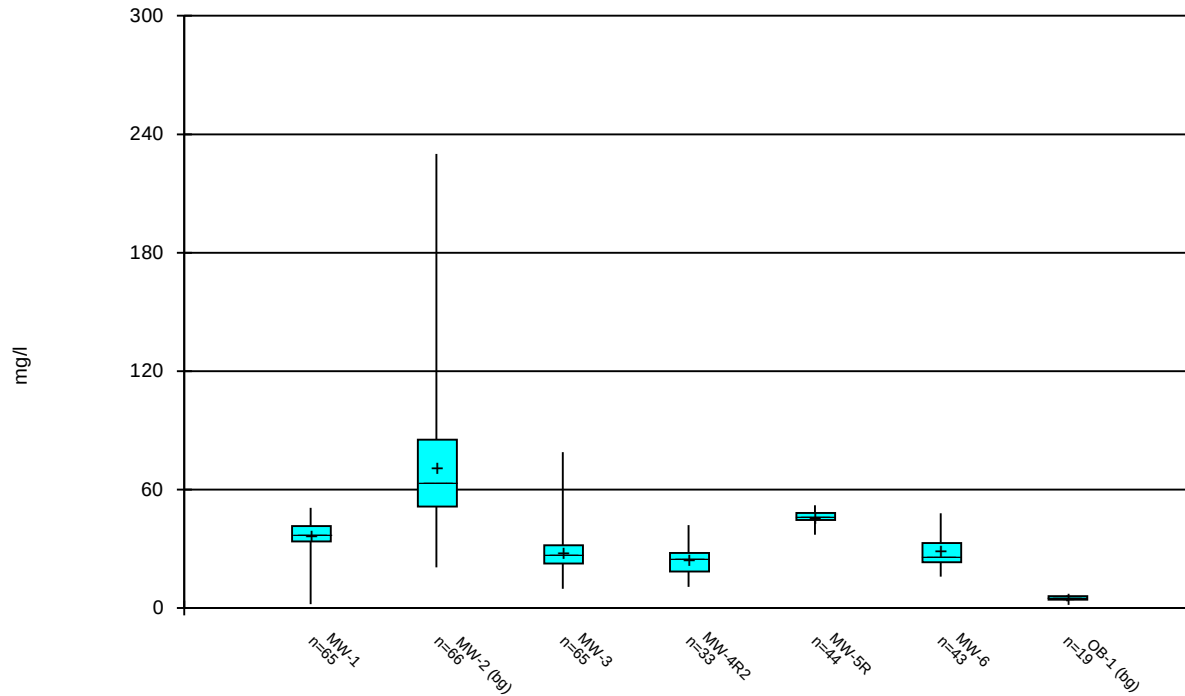
Constituent: Nickel Analysis Run 3/29/2021 2:35 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Box & Whiskers Plot



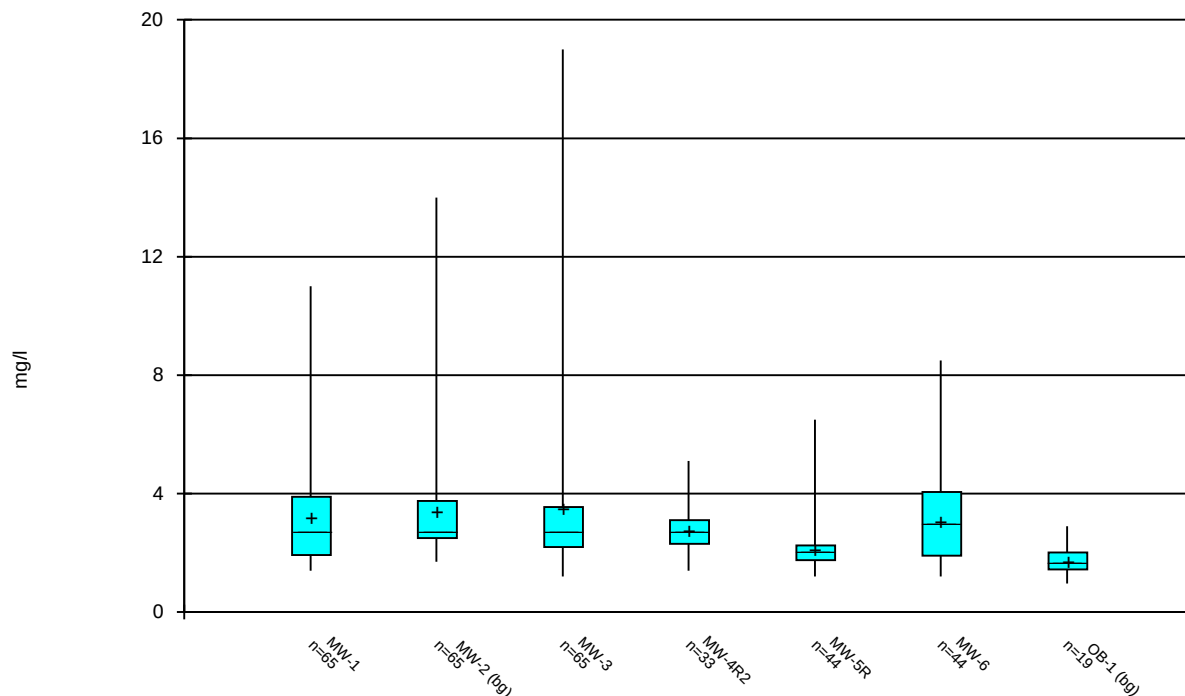
Constituent: pH Analysis Run 3/29/2021 2:35 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Box & Whiskers Plot



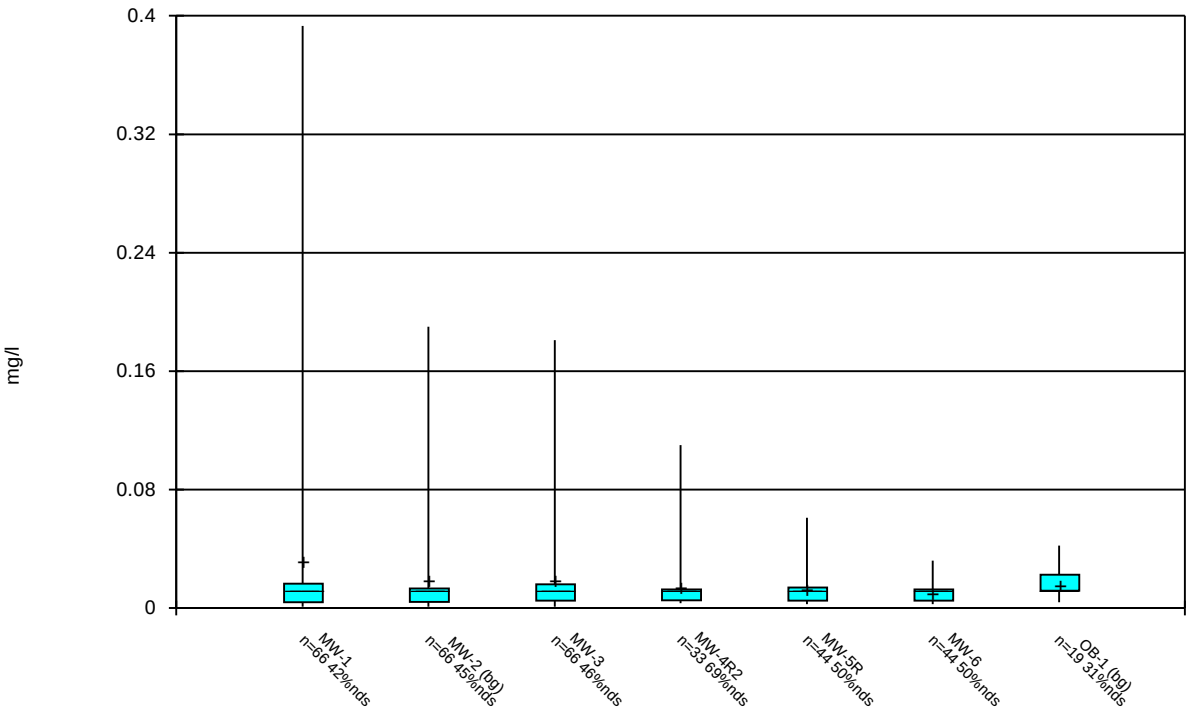
Constituent: Sulfate Analysis Run 3/29/2021 2:35 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Box & Whiskers Plot



Constituent: TOC [Total Organic Carbon] Analysis Run 3/29/2021 2:35 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

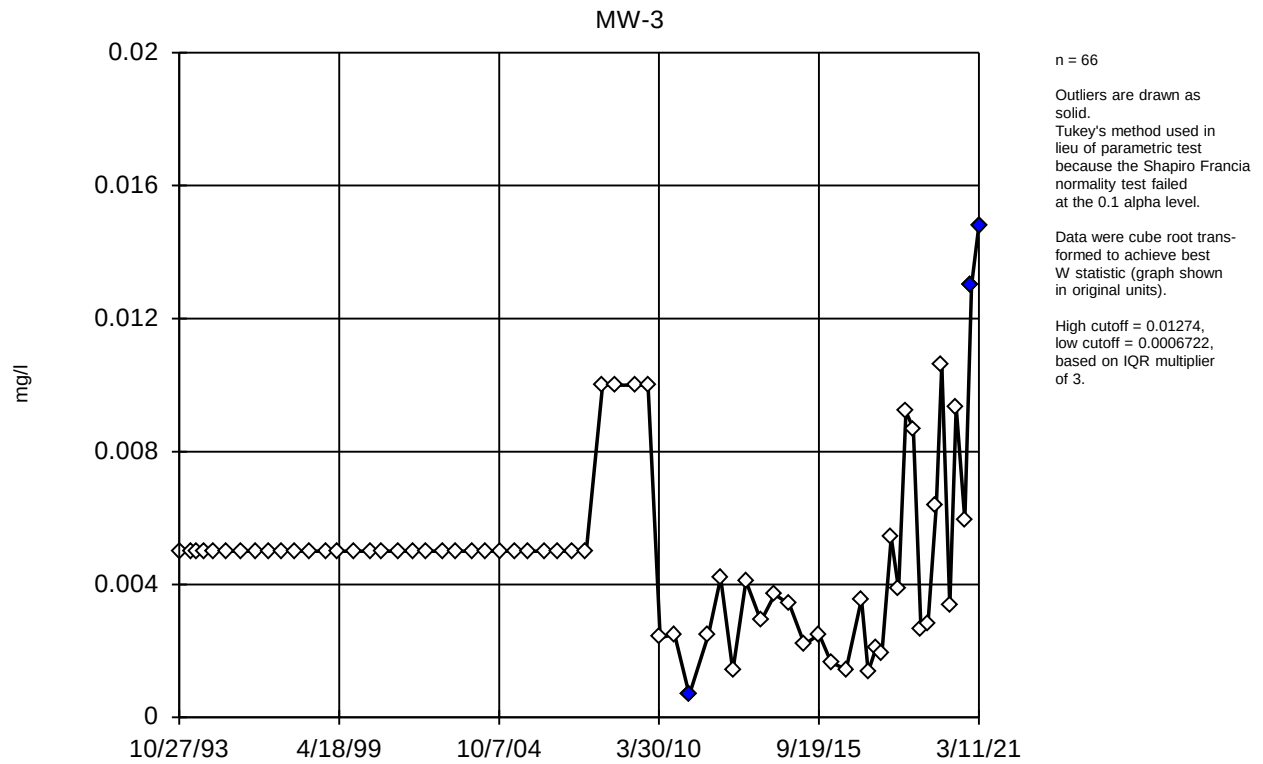
Box & Whiskers Plot



Constituent: Zinc Analysis Run 3/31/2021 11:50 AM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Outliers

Tukey's Outlier Screening



Constituent: Nickel Analysis Run 3/29/2021 2:30 PM View: 2021-1Q Distributional
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

APPENDIX F

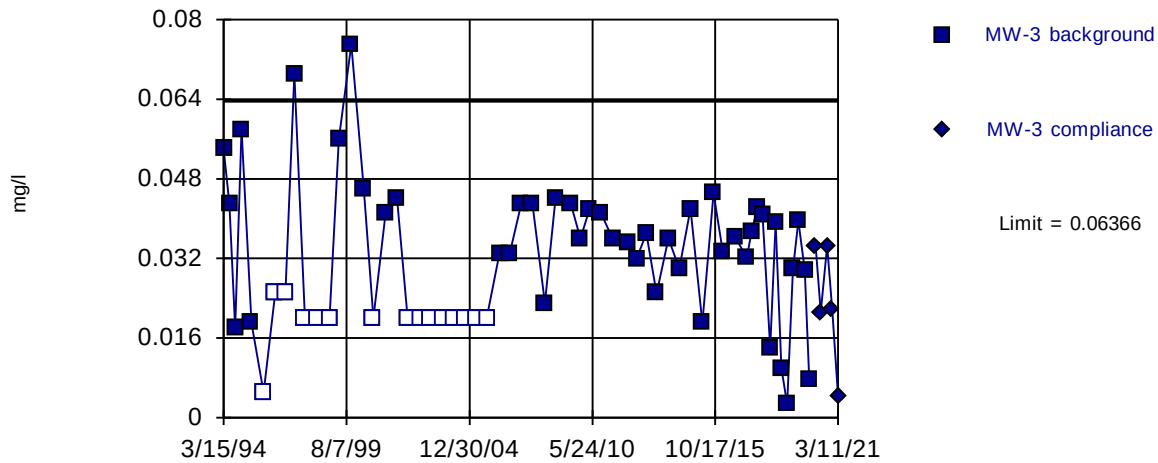
Statistical Results

Prediction Limits, Phase 1 Detection Monitoring

Within Limit

Prediction Limit

Intrawell Parametric



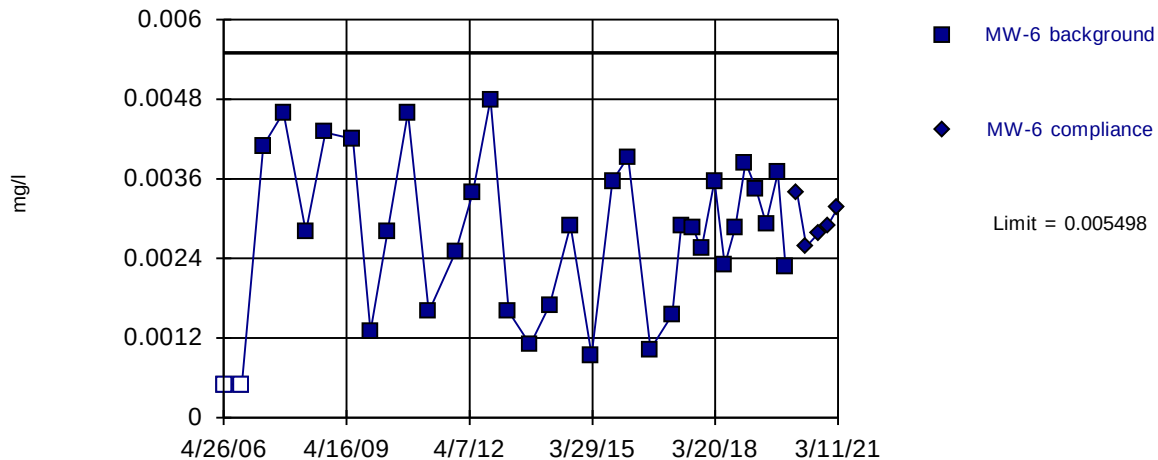
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.03079, Std. Dev.=0.01551, n=60, 25% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9546, critical = 0.945. Kappa = 2.12 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Arsenic Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



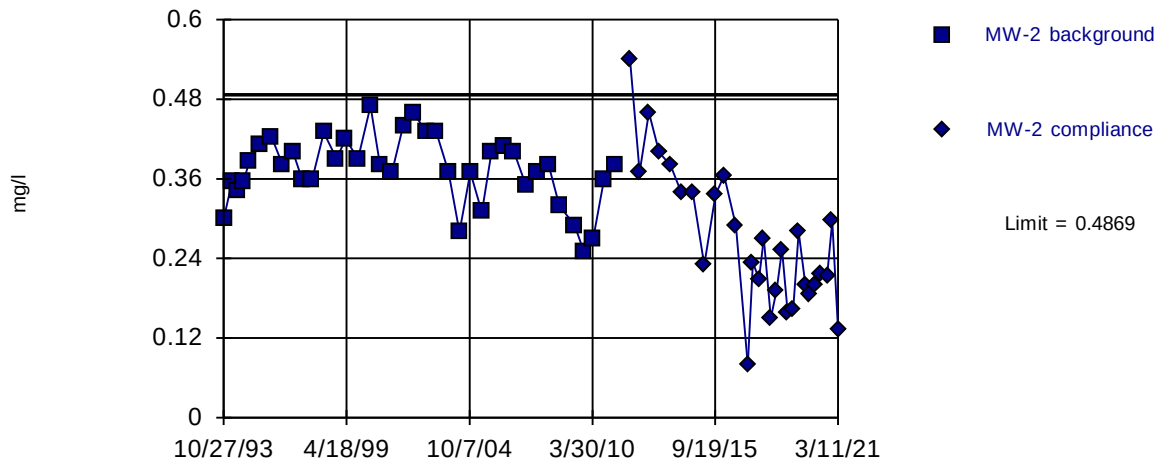
Background Data Summary: Mean=0.002752, Std. Dev.=0.001233, n=34, 5.882% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9539, critical = 0.908. Kappa = 2.228 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Arsenic Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



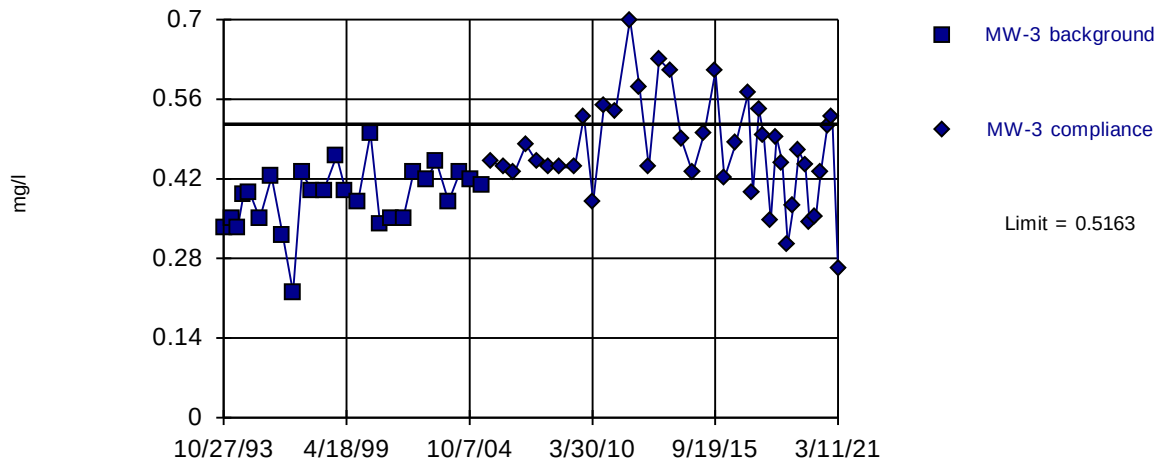
Background Data Summary: Mean=0.3736, Std. Dev.=0.05146, n=38. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9621, critical = 0.916. Kappa = 2.202 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Barium Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



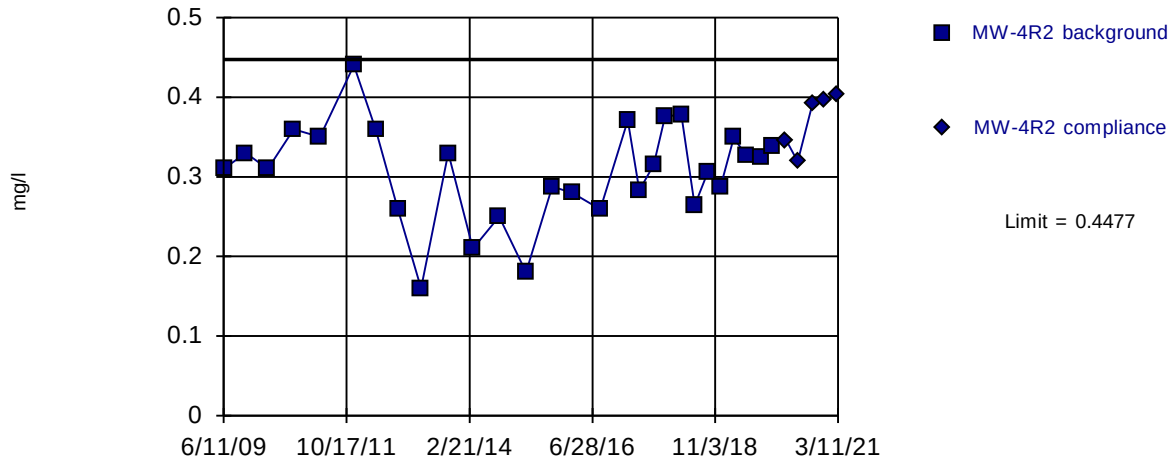
Background Data Summary: Mean=0.3873, Std. Dev.=0.05589, n=26. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9458, critical = 0.891. Kappa = 2.308 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Barium Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



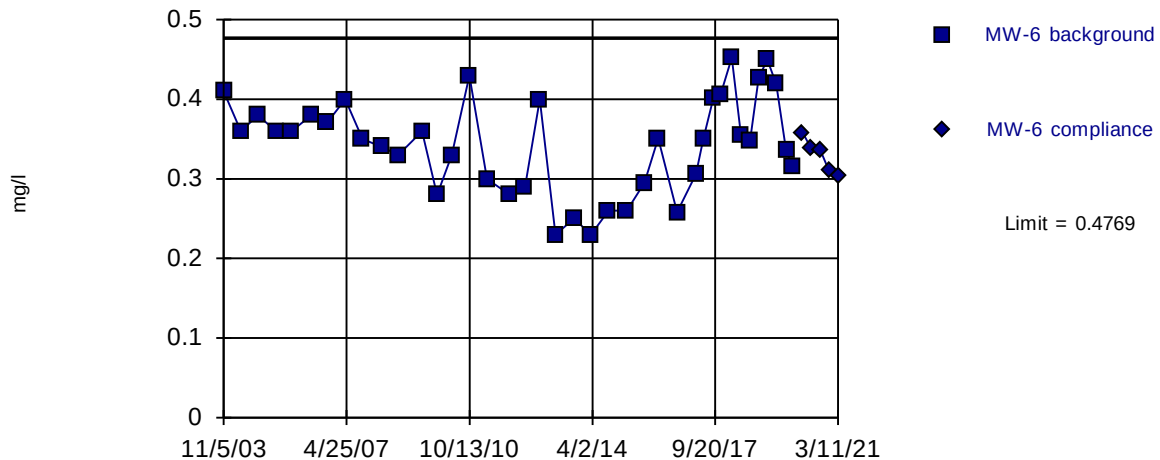
Background Data Summary: Mean=0.307, Std. Dev.=0.06159, n=28. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9699, critical = 0.896. Kappa = 2.284 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Barium Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



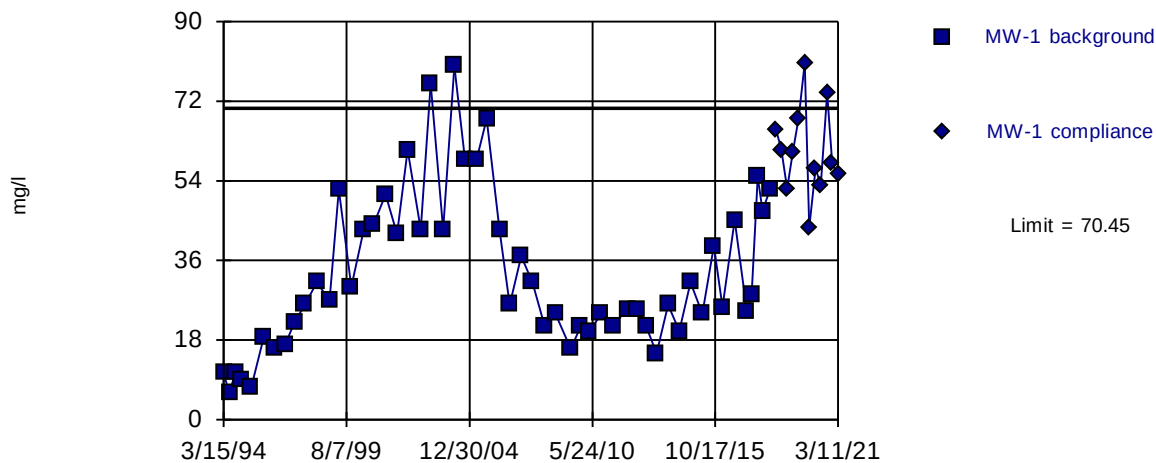
Background Data Summary: Mean=0.3438, Std. Dev.=0.06061, n=39. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9628, critical = 0.917. Kappa = 2.196 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Barium Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



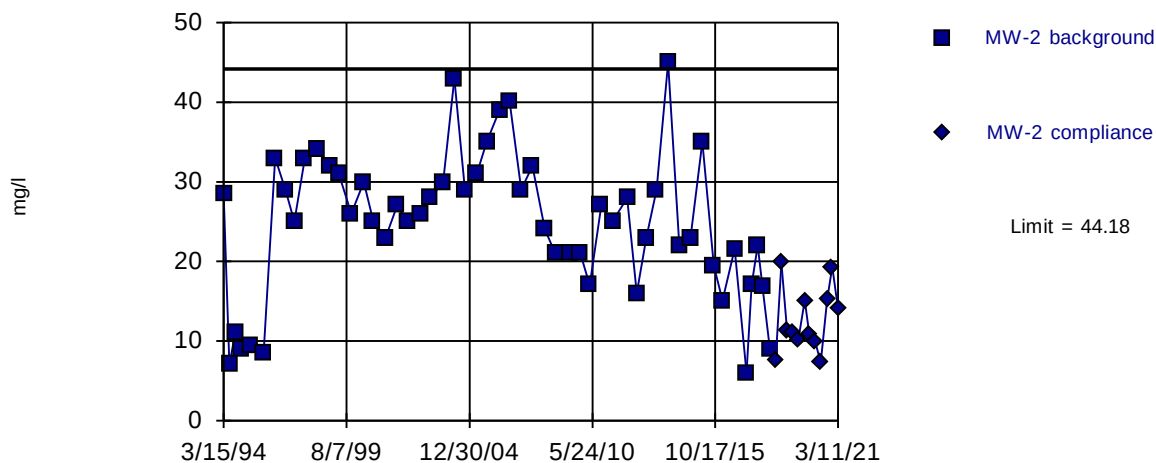
Background Data Summary: Mean=32.83, Std. Dev.=17.57, n=53. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9391, critical = 0.938. Kappa = 2.141 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Chloride Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric

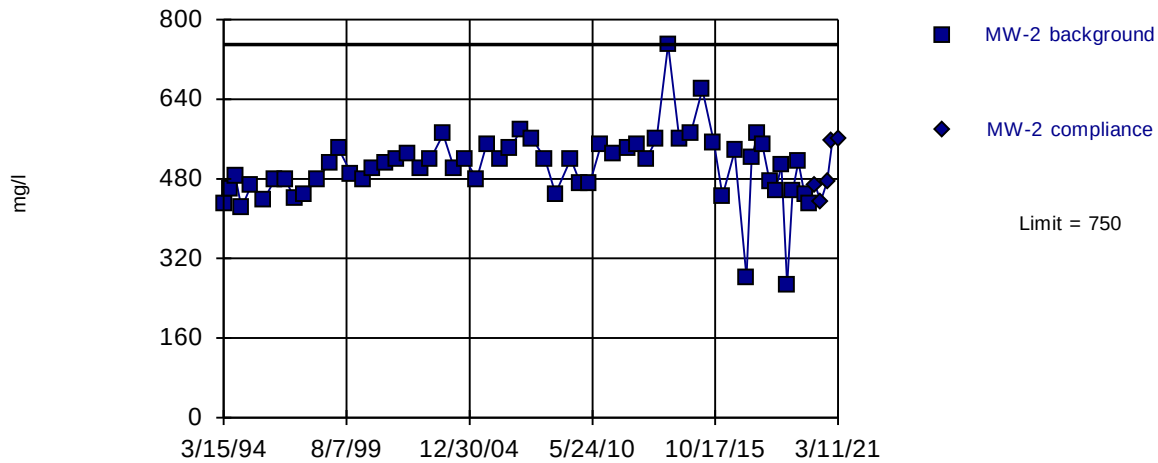


Background Data Summary: Mean=24.76, Std. Dev.=9.068, n=53. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.979, critical = 0.938. Kappa = 2.141 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Chloride Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit Intrawell Non-parametric

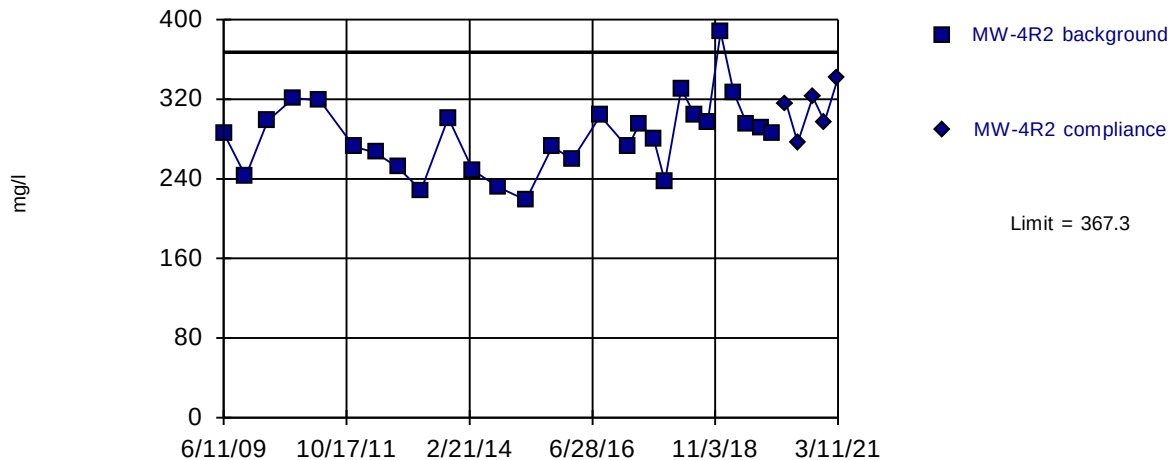


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 60 background values. Well-constituent pair annual alpha = 0.002106. Individual comparison alpha = 0.0005269 (1 of 2). Seasonality was not detected with 95% confidence.

Constituent: Dissolved Solids Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit Intrawell Parametric



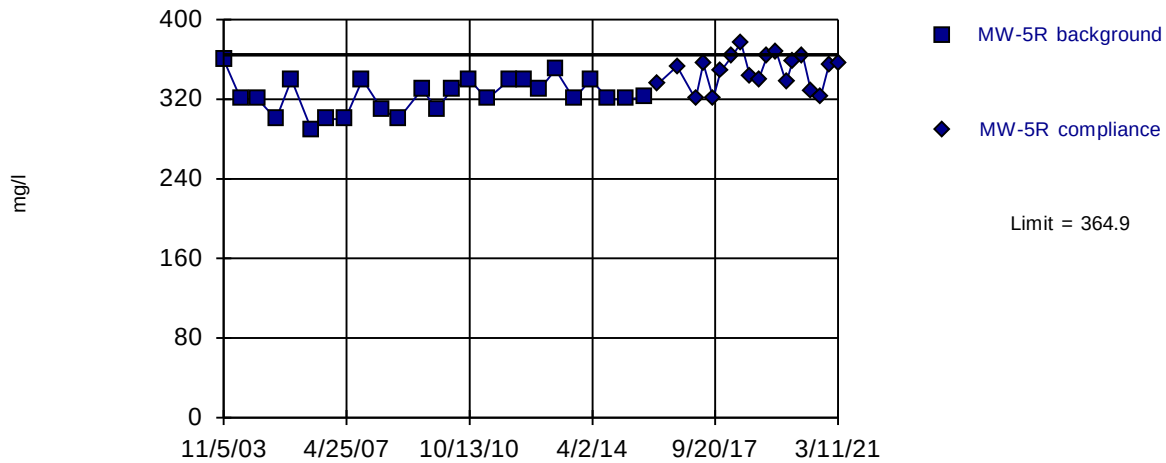
Background Data Summary: Mean=283, Std. Dev.=36.88, n=28. Seasonality was detected with 95% confidence and data were deseasonalized. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9657, critical = 0.896. Kappa = 2.284 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Dissolved Solids Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=323.7, Std. Dev.=17.75, n=25. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9546, critical = 0.888. Kappa = 2.32 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

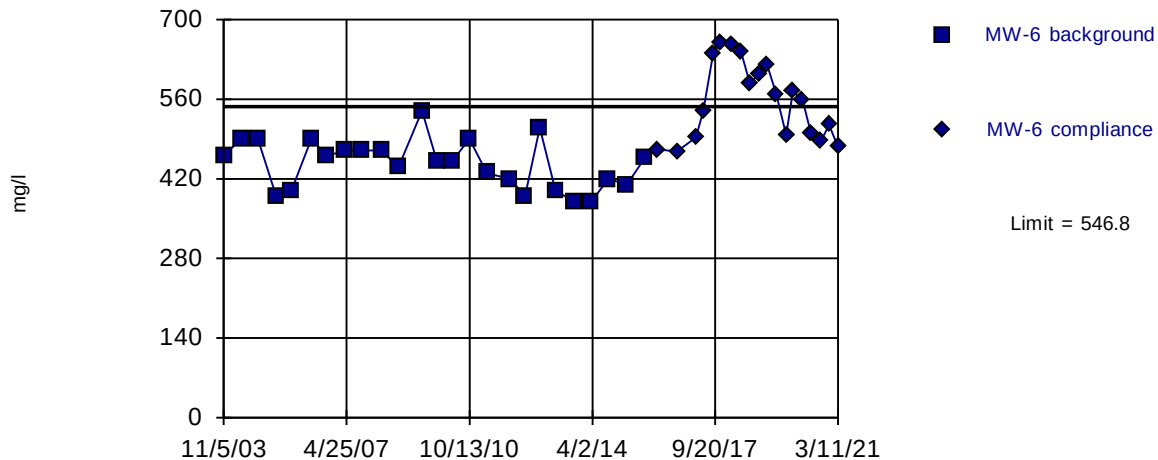
Constituent: Dissolved Solids Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=446.2, Std. Dev.=43.34, n=25. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9602, critical = 0.888. Kappa = 2.32 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

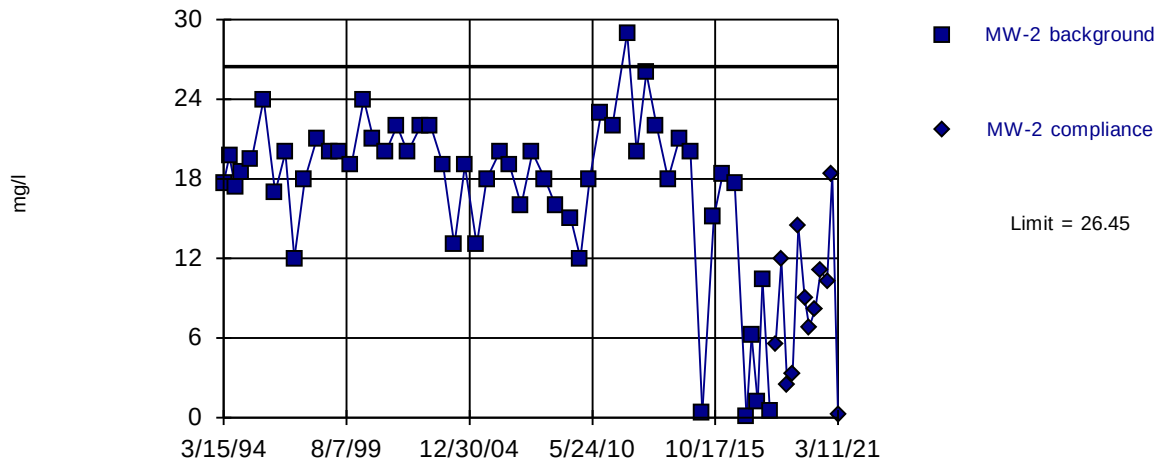
Constituent: Dissolved Solids Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=339.7, Std. Dev.=168.2, n=53. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.942, critical = 0.938. Kappa = 2.141 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

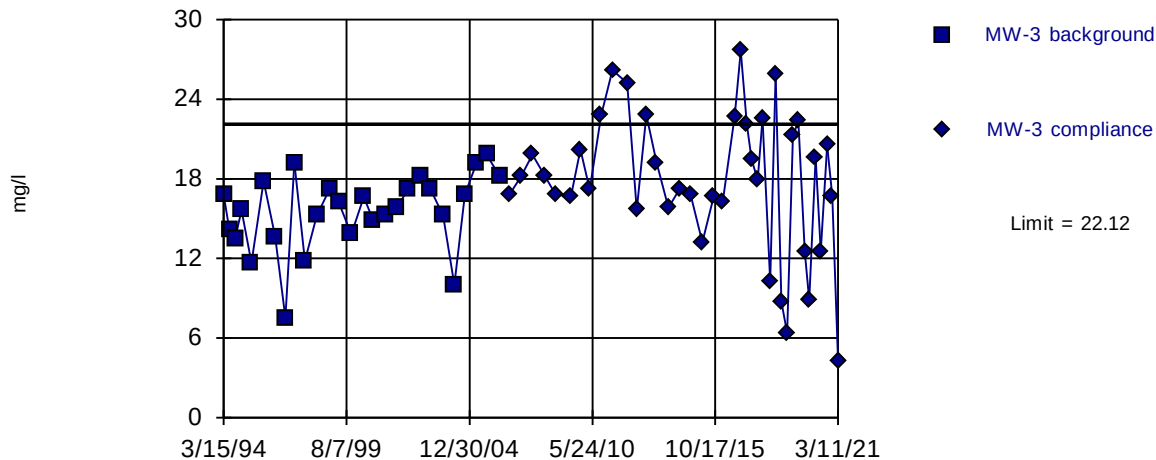
Constituent: Iron Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=15.51, Std. Dev.=2.878, n=27. Seasonality was detected with 95% confidence and data were deseasonalized. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9423, critical = 0.894. Kappa = 2.296 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

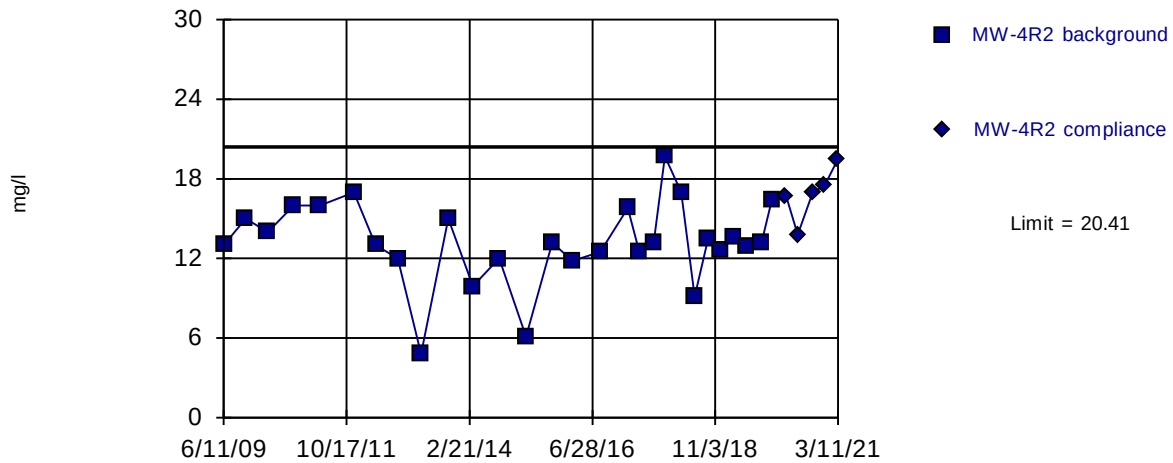
Constituent: Iron Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



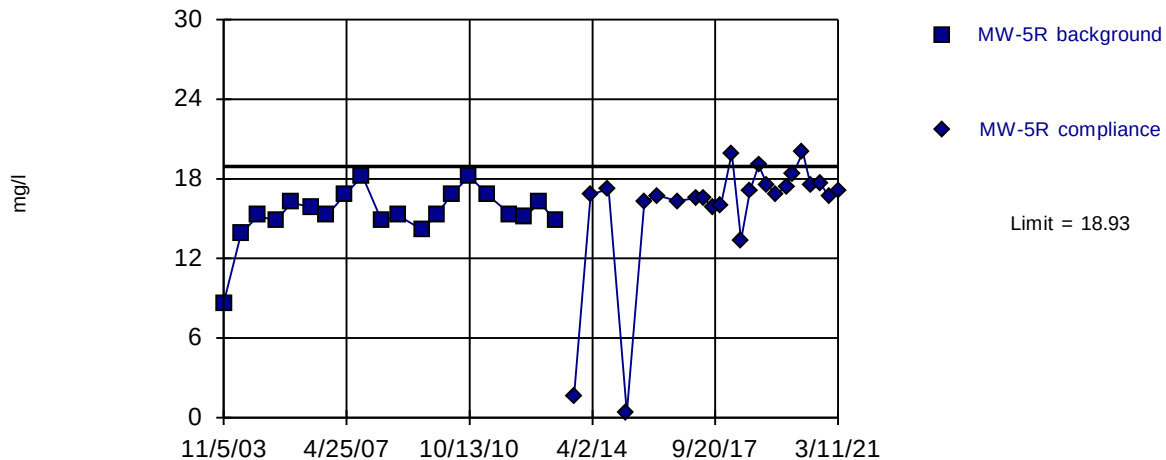
Background Data Summary: Mean=13.24, Std. Dev.=3.139, n=28. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9307, critical = 0.896. Kappa = 2.284 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Iron Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



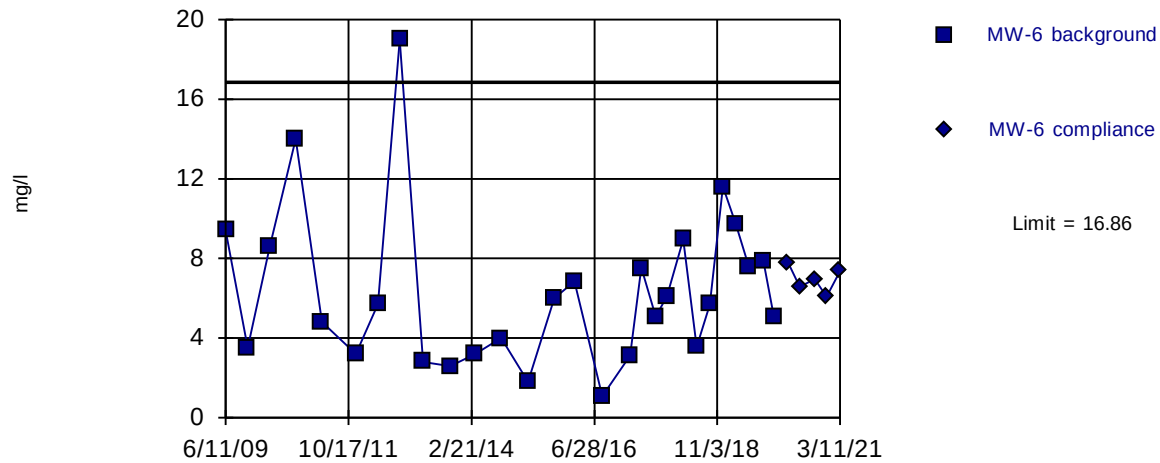
Background Data Summary (based on square transformation): Mean=237.7, Std. Dev.=50.13, n=20. Seasonality was detected with 95% confidence and data were deseasonalized. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.877, critical = 0.868. Kappa = 2.41 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Iron Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=2.417, Std. Dev.=0.7393, n=28. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9767, critical = 0.896. Kappa = 2.284 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

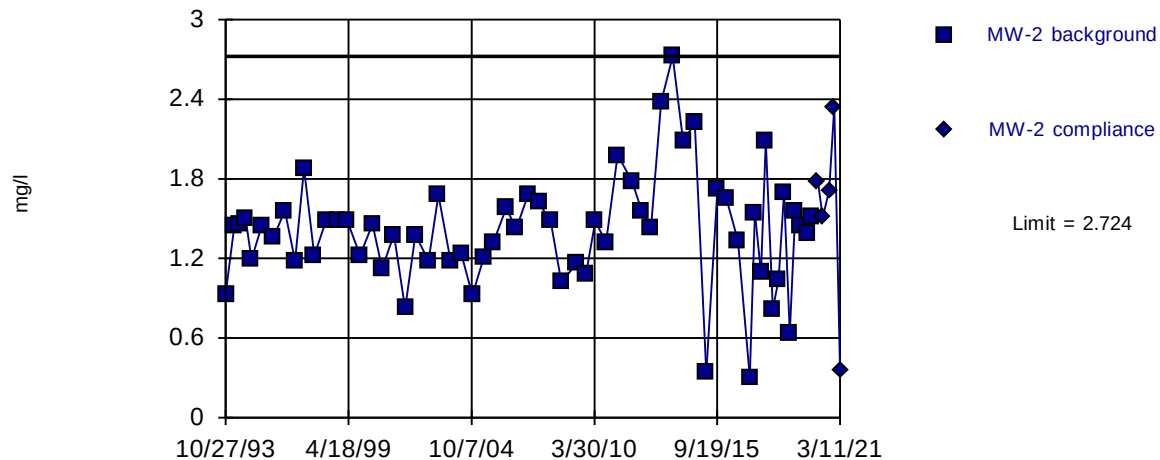
Constituent: Iron Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 61 background values. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.0005132 (1 of 2). Data were deseasonalized.

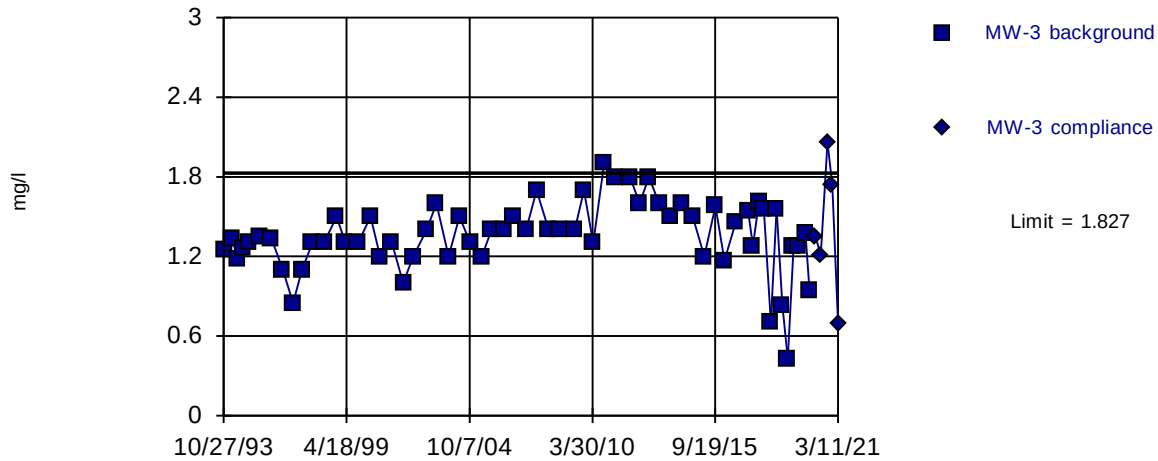
Constituent: Manganese Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=1.905, Std. Dev.=0.676, n=61. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9758, critical = 0.946. Kappa = 2.118 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

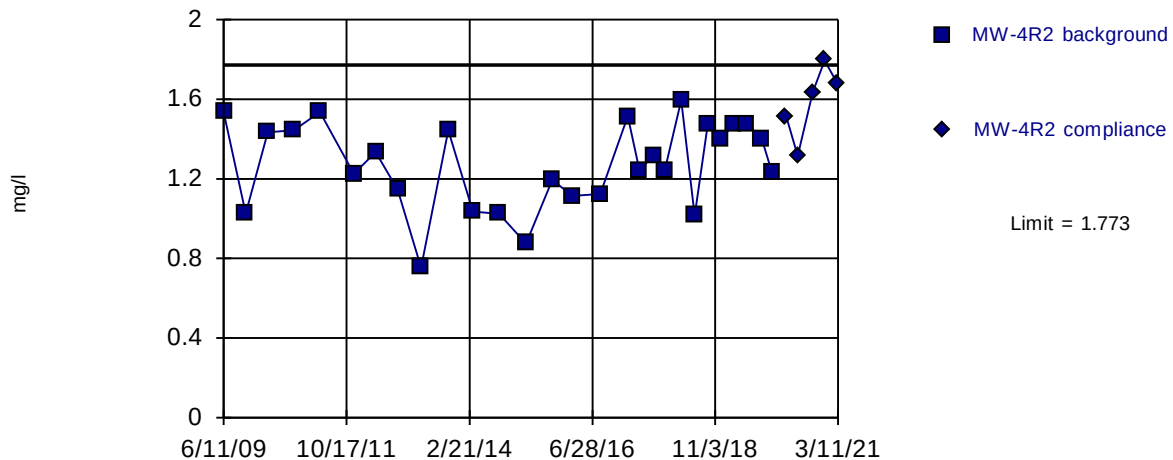
Constituent: Manganese Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.273, Std. Dev.=0.2189, n=28. Seasonality was detected with 95% confidence and data were deseasonalized. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9456, critical = 0.896. Kappa = 2.284 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

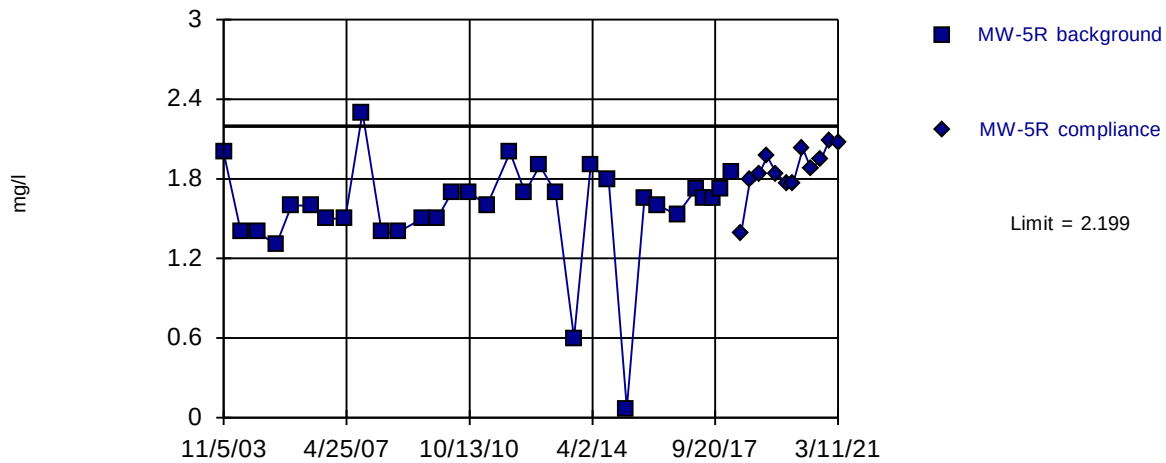
Constituent: Manganese Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=2.637, Std. Dev.=0.9789, n=32. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9351, critical = 0.904. Kappa = 2.244 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

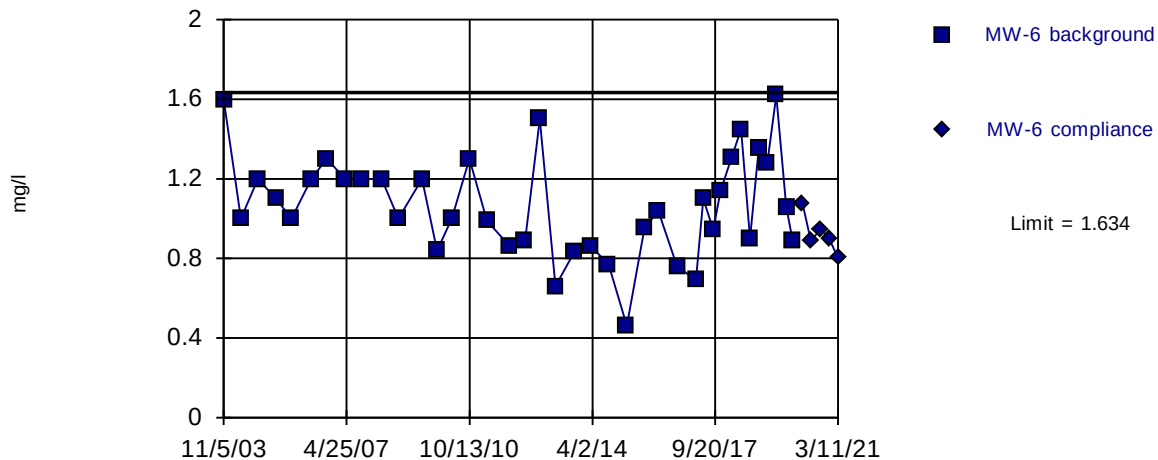
Constituent: Manganese Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.068, Std. Dev.=0.2579, n=39. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9842, critical = 0.917. Kappa = 2.196 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

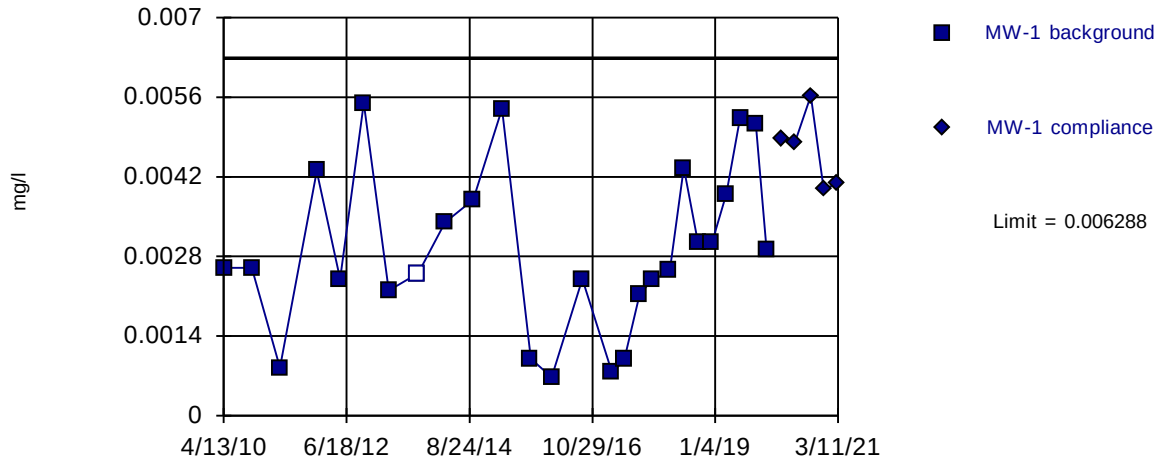
Constituent: Manganese Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



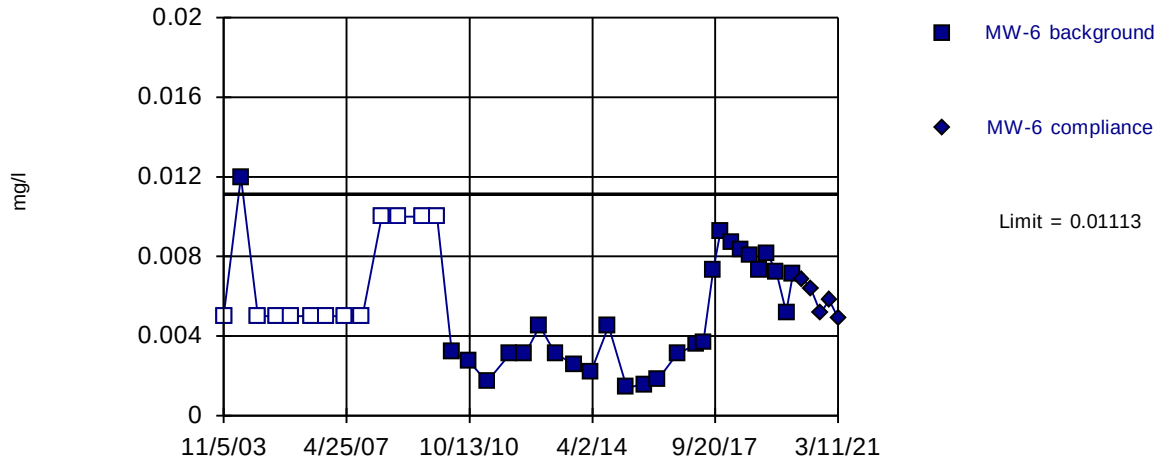
Background Data Summary: Mean=0.002925, Std. Dev.=0.001457, n=26, 3.846% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9365, critical = 0.891. Kappa = 2.308 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Nickel Analysis Run 4/13/2021 4:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



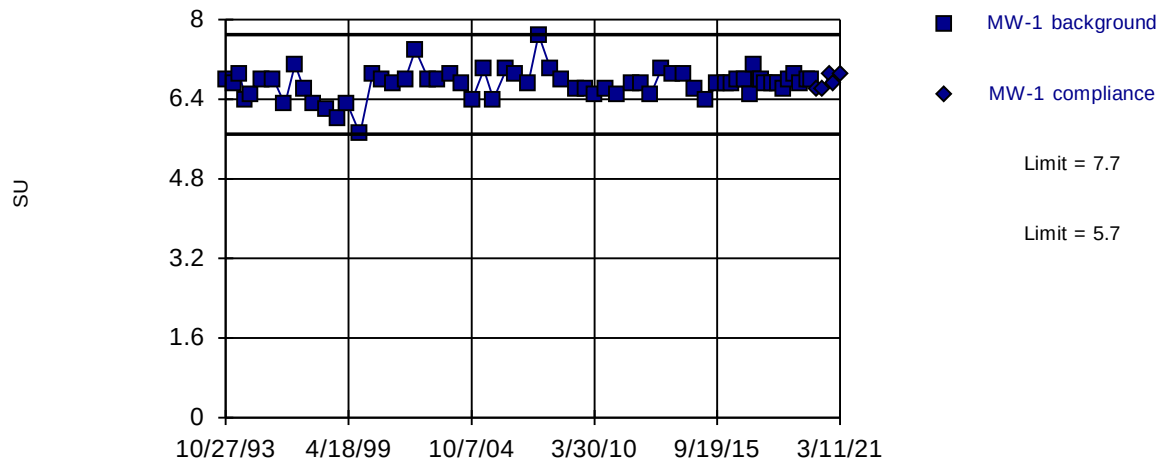
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004718, Std. Dev.=0.002918, n=39, 30.77% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9288, critical = 0.917. Kappa = 2.196 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Nickel Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limits

Prediction Limit

Intrawell Non-parametric



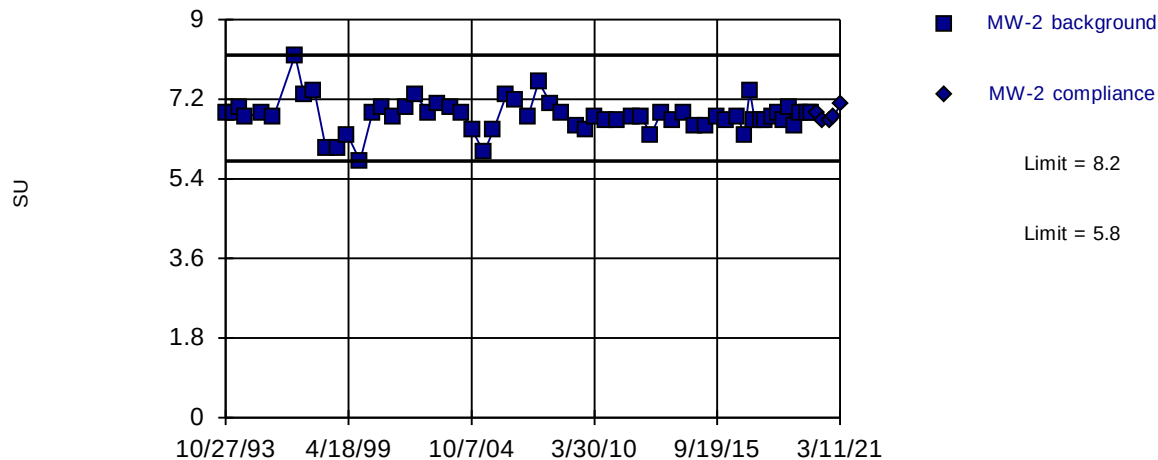
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 63 background values. Well-constituent pair annual alpha = 0.003884. Individual comparison alpha = 0.0009718 (1 of 2). Seasonality was not detected with 95% confidence.

Constituent: pH Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limits

Prediction Limit

Intrawell Non-parametric



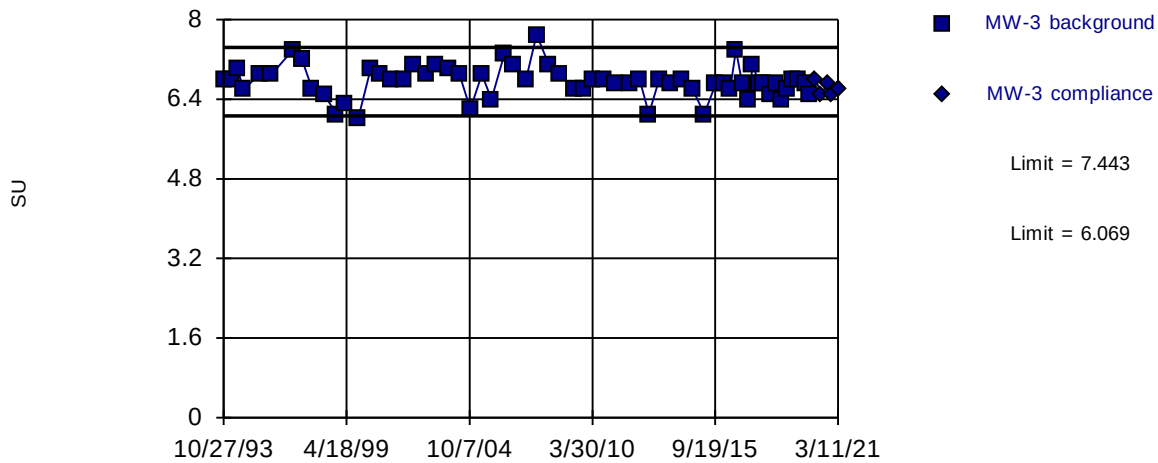
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 60 background values. Well-constituent pair annual alpha = 0.004212. Individual comparison alpha = 0.001054 (1 of 2). Seasonality was not detected with 95% confidence.

Constituent: pH Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.756, Std. Dev.=0.3243, n=61. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9589, critical = 0.946. Kappa = 2.118 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

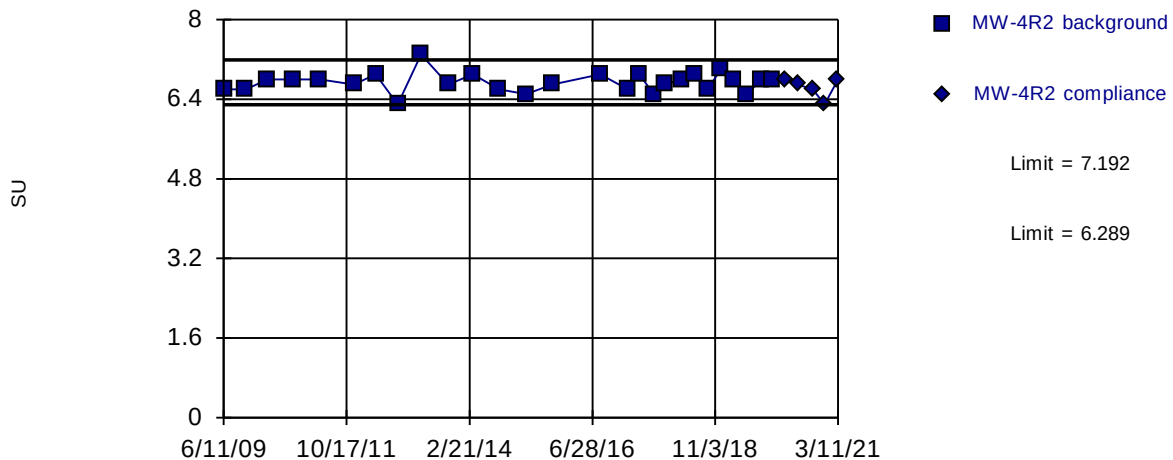
Constituent: pH Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.741, Std. Dev.=0.1966, n=27. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9493, critical = 0.894. Kappa = 2.296 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

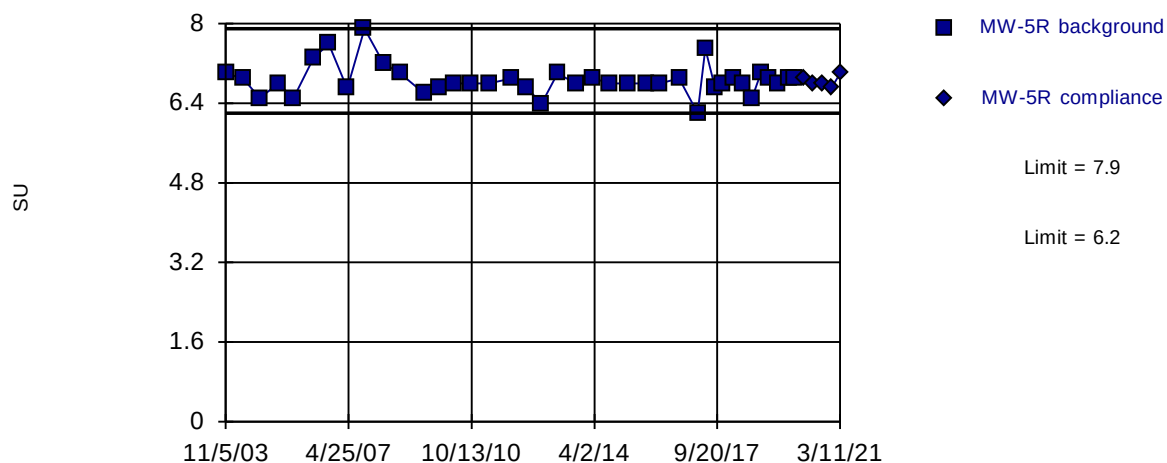
Constituent: pH Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limits

Prediction Limit

Intrawell Non-parametric



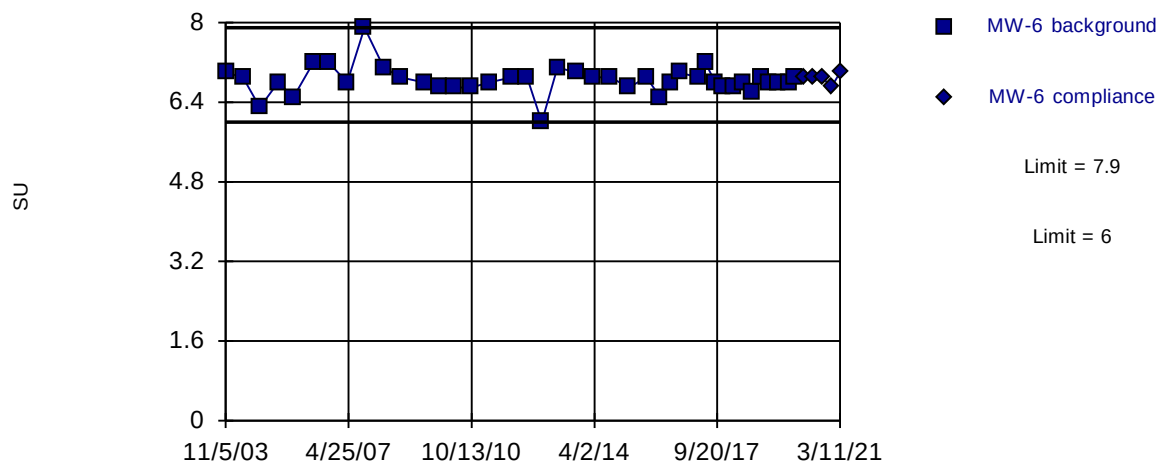
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 39 background values. Well-constituent pair annual alpha = 0.009737. Individual comparison alpha = 0.002439 (1 of 2). Seasonality was not detected with 95% confidence.

Constituent: pH Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limits

Prediction Limit

Intrawell Non-parametric



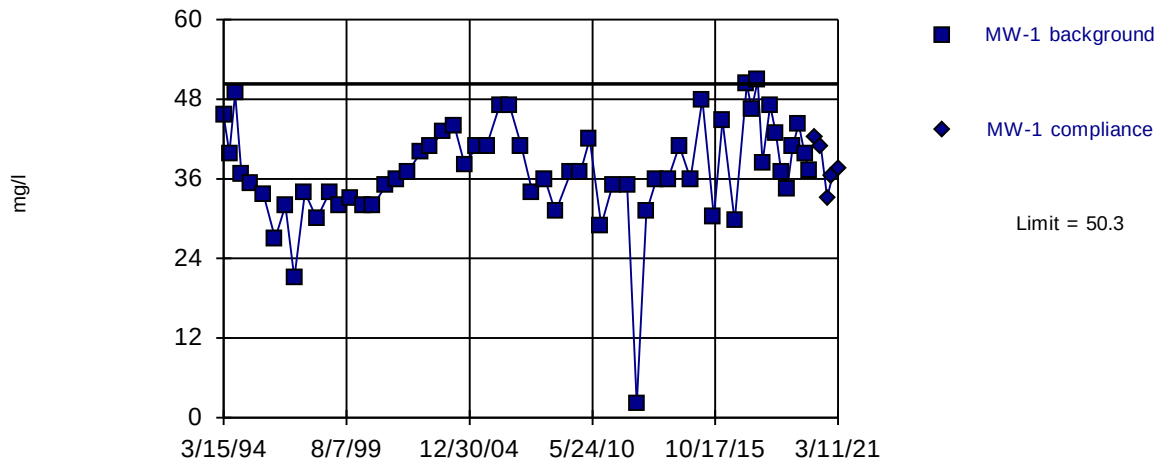
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 40 background values. Well-constituent pair annual alpha = 0.009204. Individual comparison alpha = 0.002305 (1 of 2). Seasonality was not detected with 95% confidence.

Constituent: pH Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=1450, Std. Dev.=509.6, n=60. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9709, critical = 0.945. Kappa = 2.12 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Sulfate

Analysis Run 4/12/2021 5:19 PM

View: 2021-1Q Phase 1 PL

Mississippi County LF

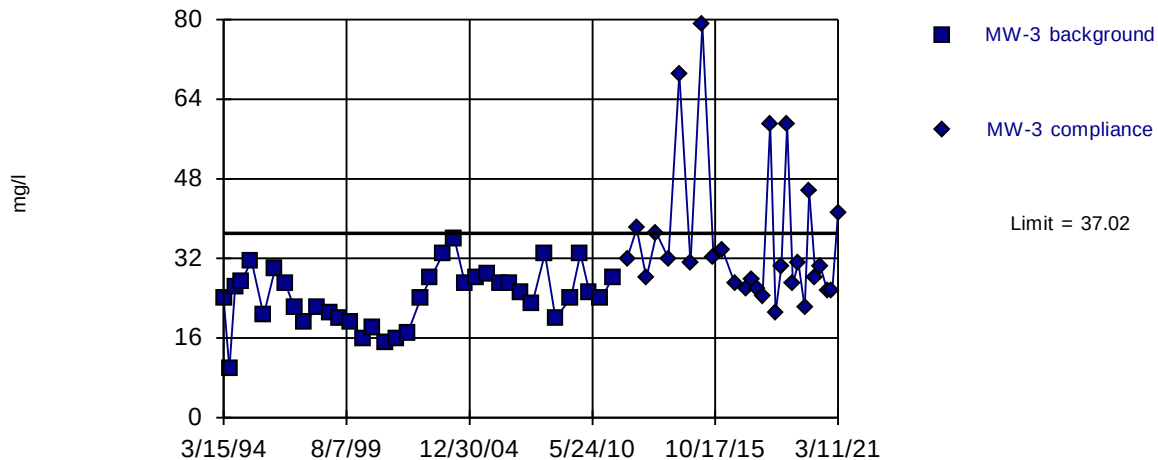
Client: Mississippi County

Data: Mississippi County Landfill Database

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=24.21, Std. Dev.=5.805, n=37. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9857, critical = 0.914. Kappa = 2.208 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Sulfate

Analysis Run 4/12/2021 5:19 PM

View: 2021-1Q Phase 1 PL

Mississippi County LF

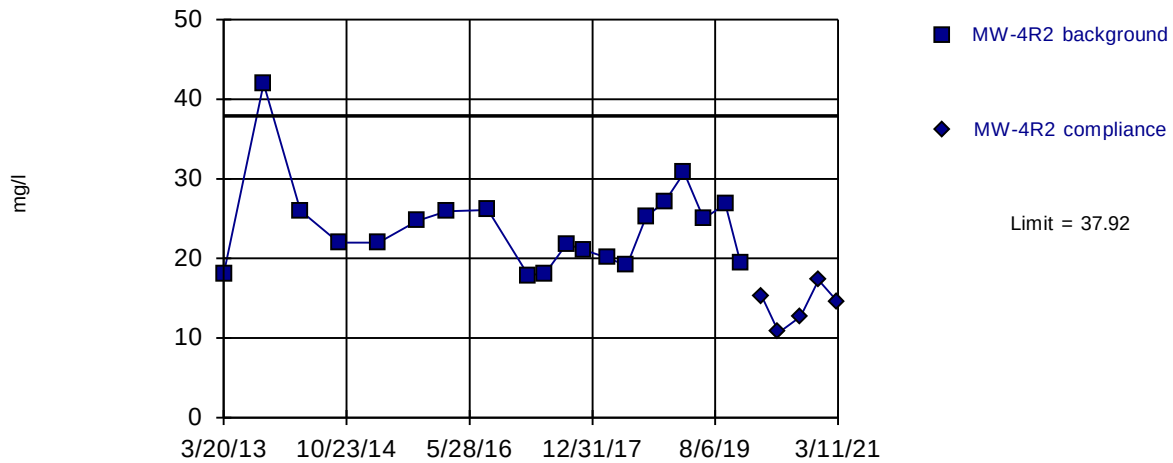
Client: Mississippi County

Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



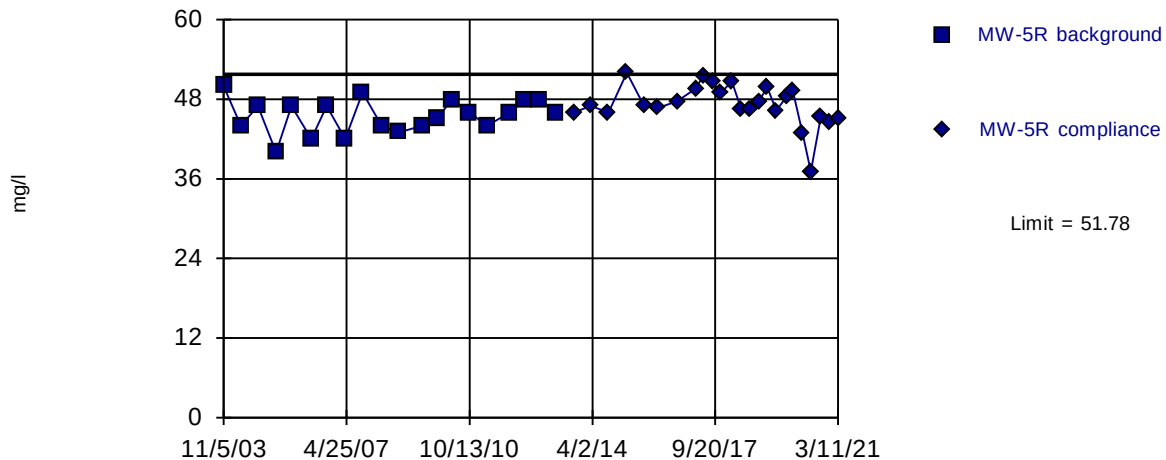
Background Data Summary (based on square root transformation): Mean=4.868, Std. Dev.=0.5353, n=20. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8814, critical = 0.868. Kappa = 2.41 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Sulfate Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

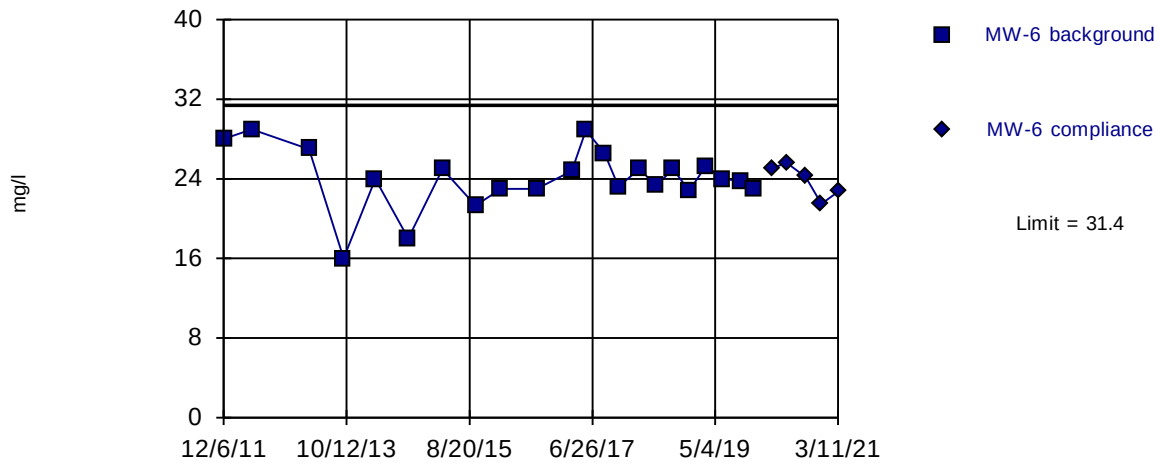
Intrawell Parametric



Within Limit

Prediction Limit

Intrawell Parametric



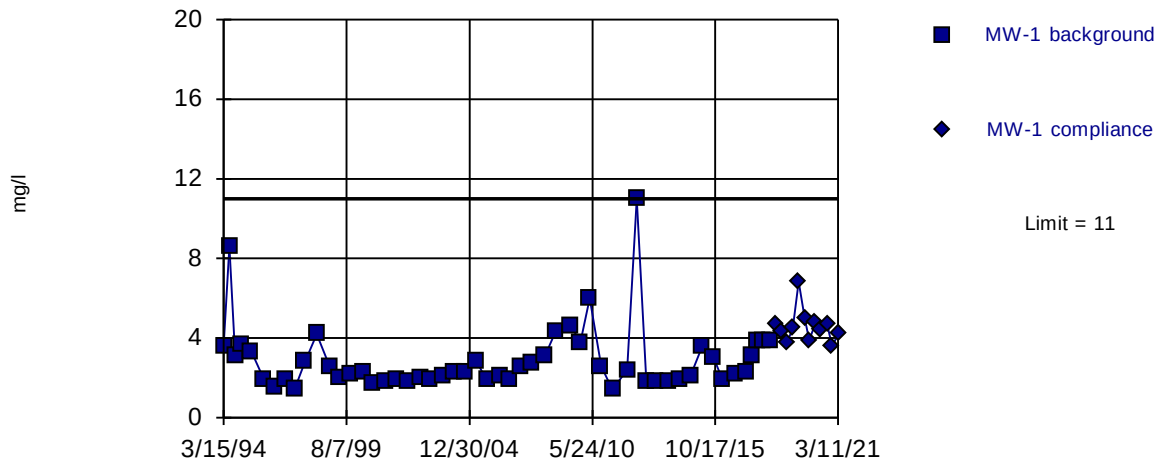
Background Data Summary: Mean=24.09, Std. Dev.=3.077, n=22. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9196, critical = 0.878. Kappa = 2.374 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

Constituent: Sulfate Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Non-parametric

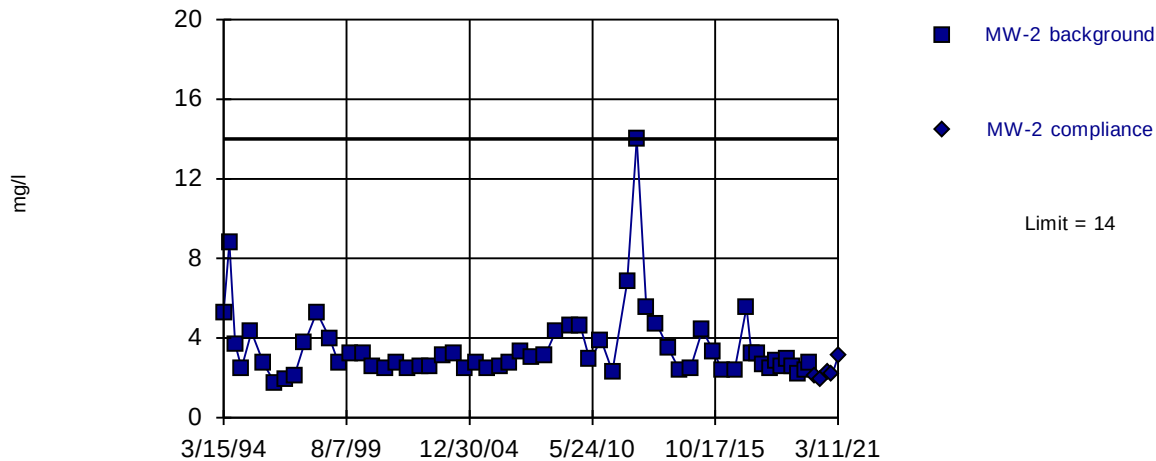


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 53 background values. Well-constituent pair annual alpha = 0.00273. Individual comparison alpha = 0.0006833 (1 of 2). Seasonality was not detected with 95% confidence.

Constituent: TOC [Total Organic Carbon] Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit Intrawell Non-parametric

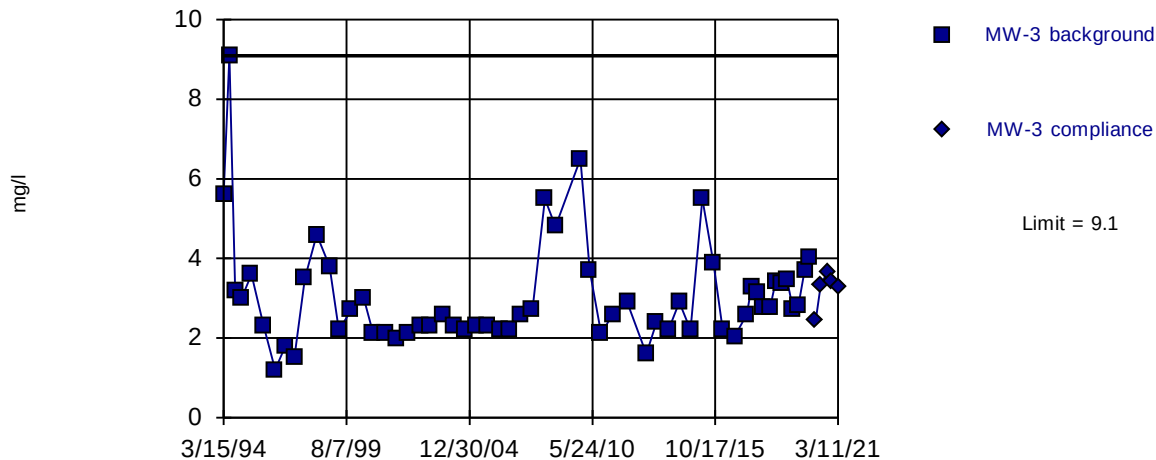


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 60 background values. Well-constituent pair annual alpha = 0.002106. Individual comparison alpha = 0.0005269 (1 of 2). Seasonality was not detected with 95% confidence.

Constituent: TOC [Total Organic Carbon] Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit Intrawell Non-parametric



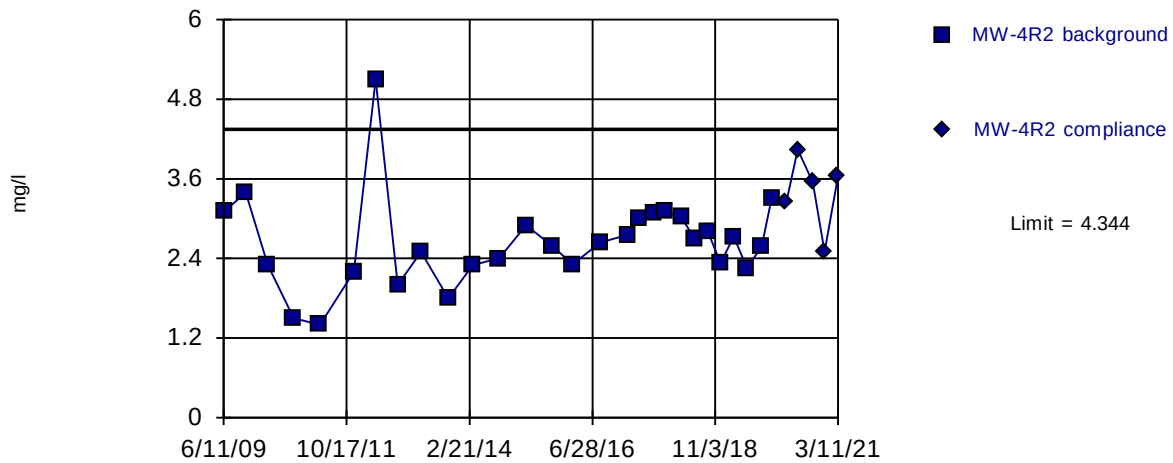
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 58 background values. Well-constituent pair annual alpha = 0.002284. Individual comparison alpha = 0.0005716 (1 of 2). Seasonality was not detected with 95% confidence.

Constituent: TOC [Total Organic Carbon] Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=1.615, Std. Dev.=0.2057, n=28.
 Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9352, critical = 0.896. Kappa = 2.284 (c=10, w=5, 1 of 2, event alpha = 0.026). Report alpha = 0.0005267.

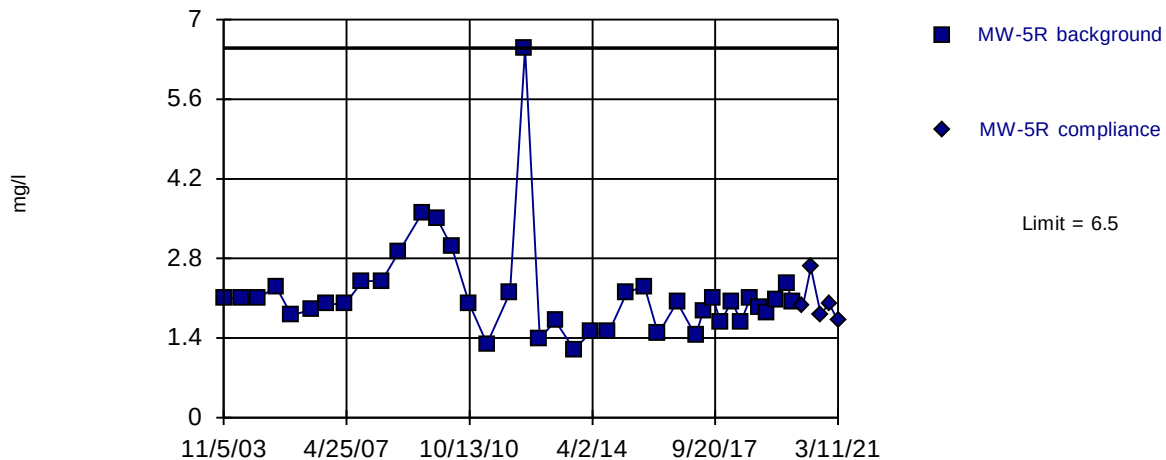
Constituent: TOC [Total Organic Carbon] Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 39 background values. Well-constituent pair annual alpha = 0.004868. Individual comparison alpha = 0.001219 (1 of 2). Seasonality was not detected with 95% confidence.

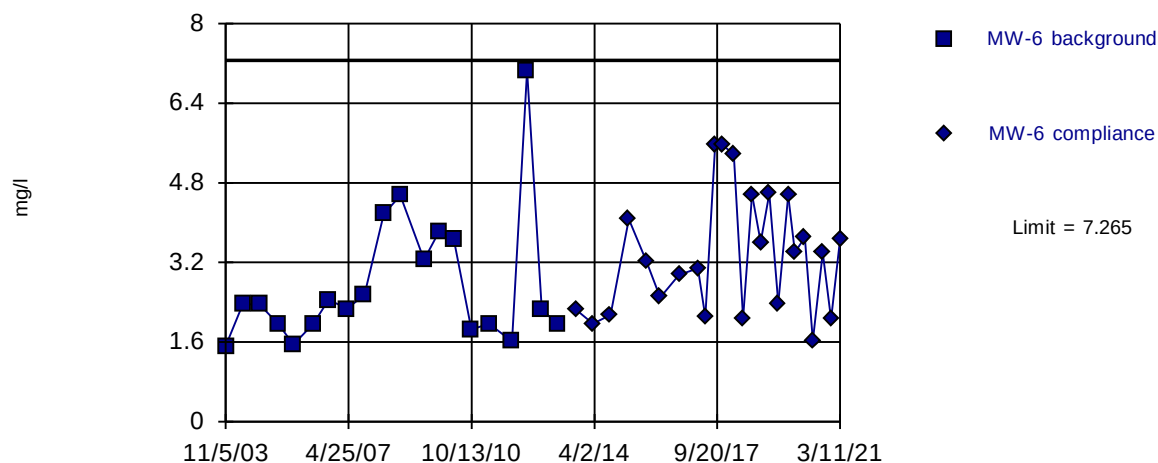
Constituent: TOC [Total Organic Carbon] Analysis Run 4/12/2021 5:19 PM View: 2021-1Q Phase 1 PL

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Within Limit

Prediction Limit

Intrawell Parametric

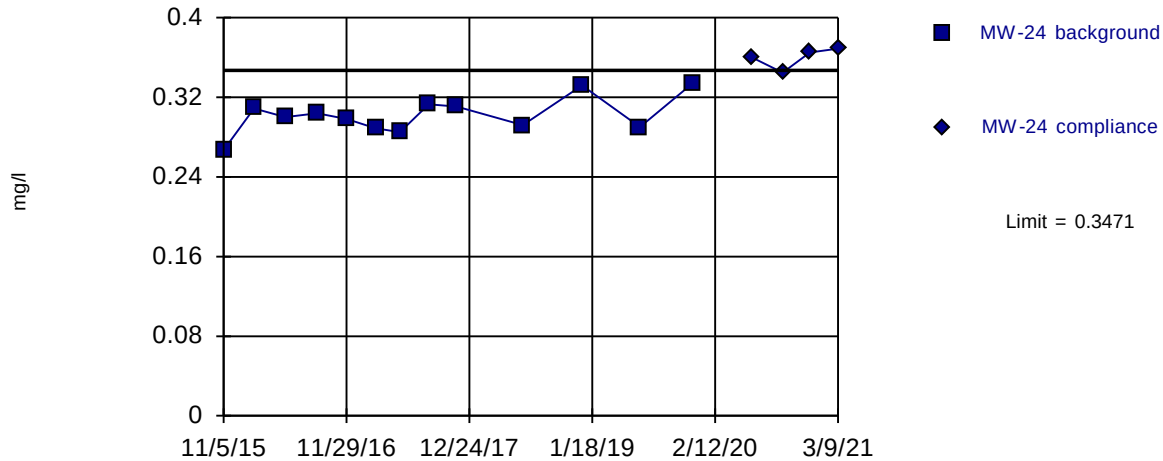


Prediction Limits, Phase 2 Verification Sampling

Exceeds Limit

Prediction Limit

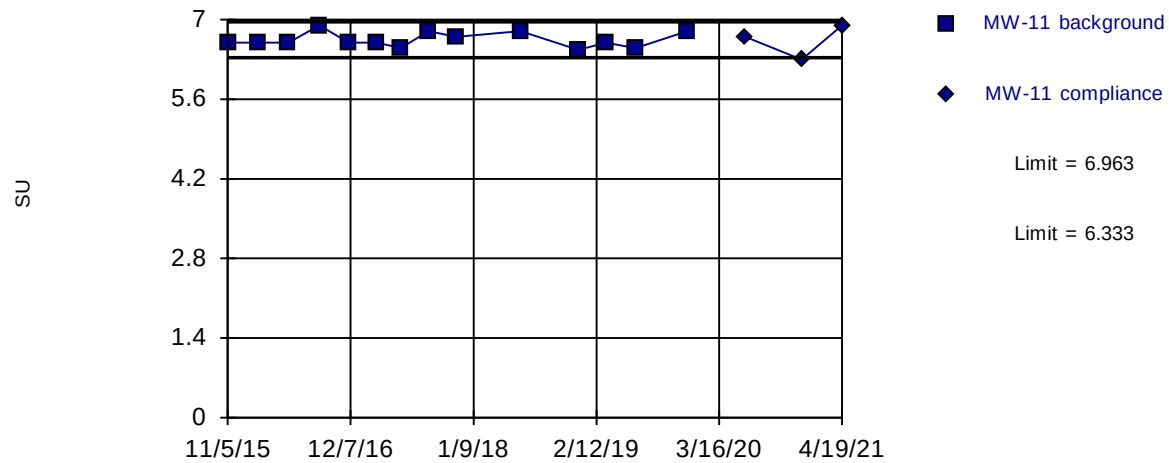
Intrawell Parametric



Within Limits

Prediction Limit

Intrawell Parametric



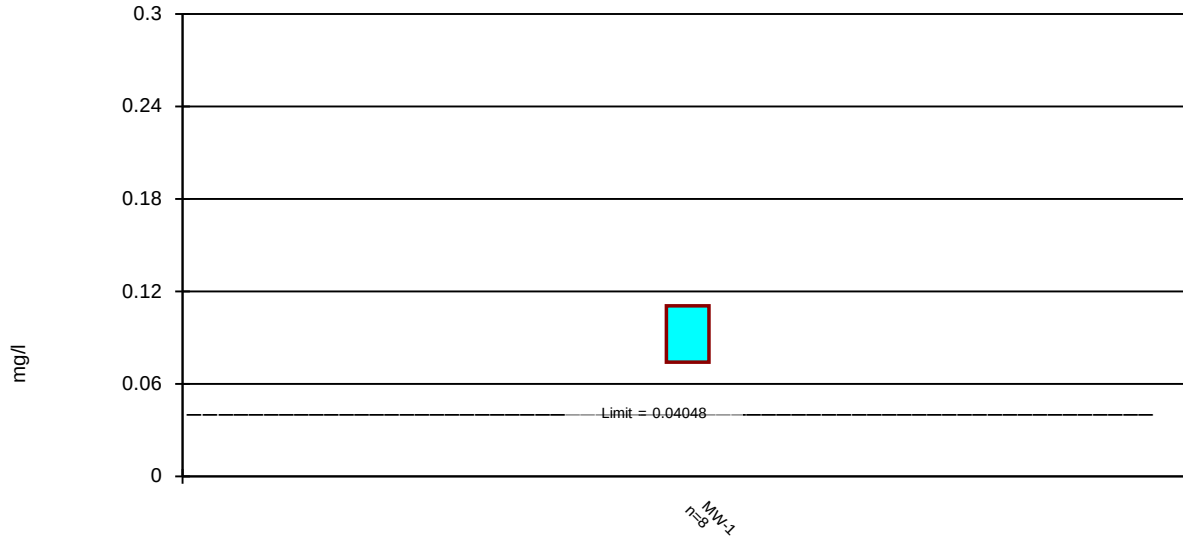
Background Data Summary: Mean=6.648, Std. Dev.=0.1315, n=14. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.891, critical = 0.825. Kappa = 2.395 (c=10, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001053.

Constituent: pH Analysis Run 6/6/2021 11:26 PM View: 2021-1Q Phase 2 PL (ver)
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Confidence Intervals, Phase 1 Quarterly Assessment Monitoring

Parametric Confidence Interval

Compliance limit is exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

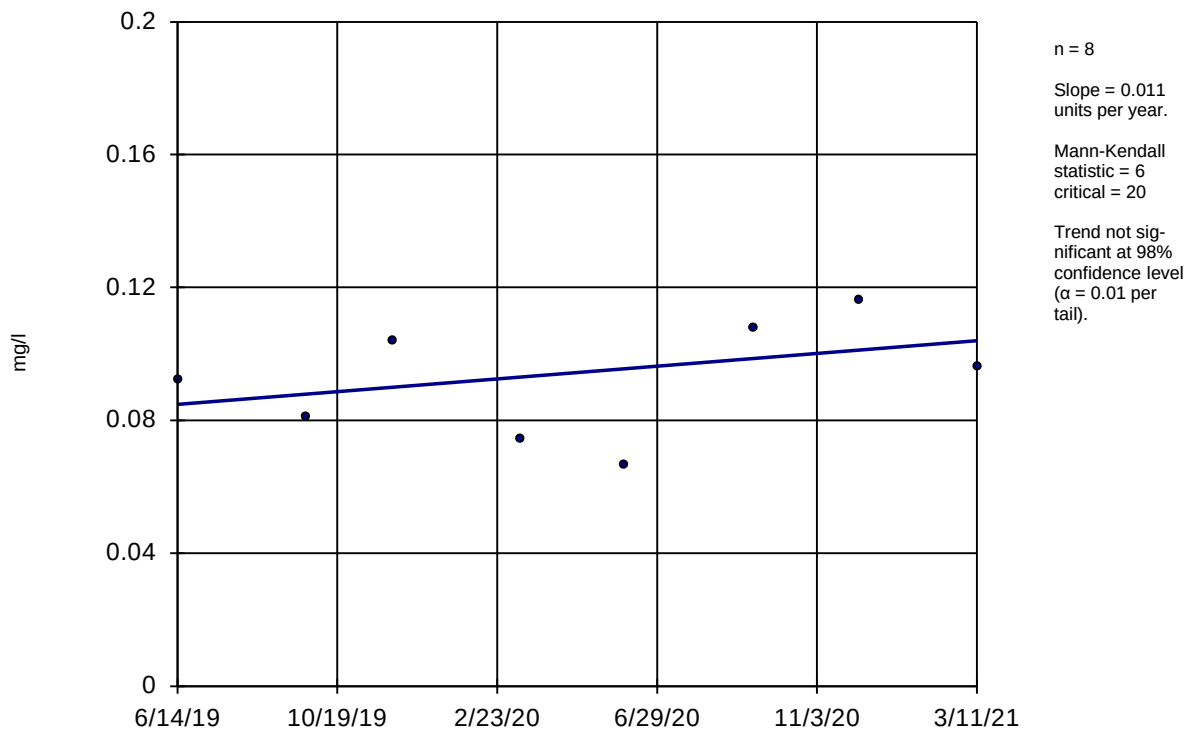


Constituent: Arsenic Analysis Run 6/6/2021 6:00 PM View: 2021-1Q AM CI

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-1

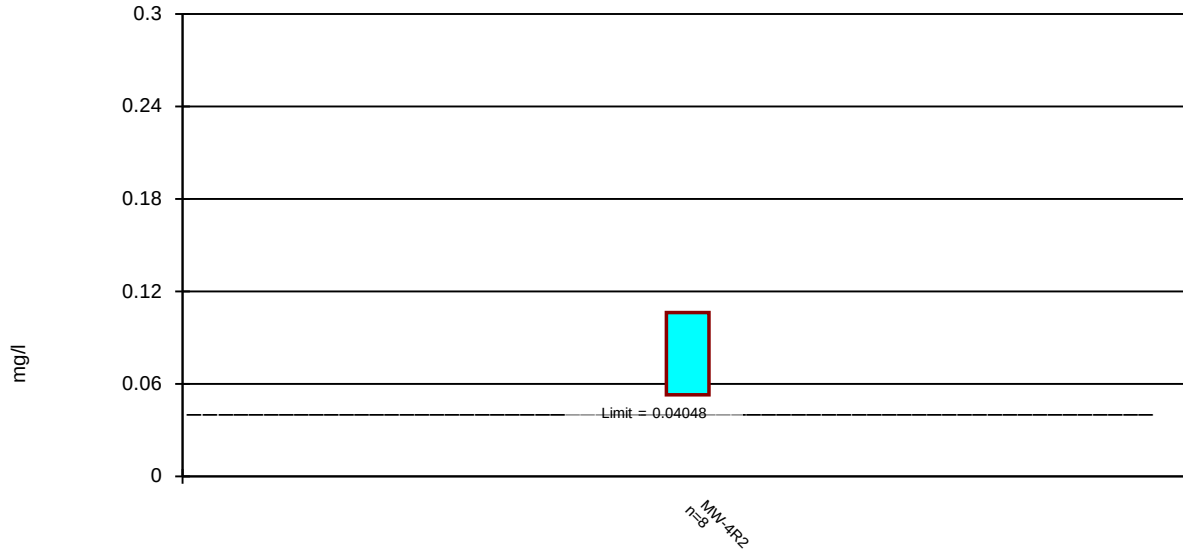


Constituent: Arsenic Analysis Run 6/6/2021 6:00 PM View: 2021-1Q AM CI

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Parametric Confidence Interval

Compliance limit is exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

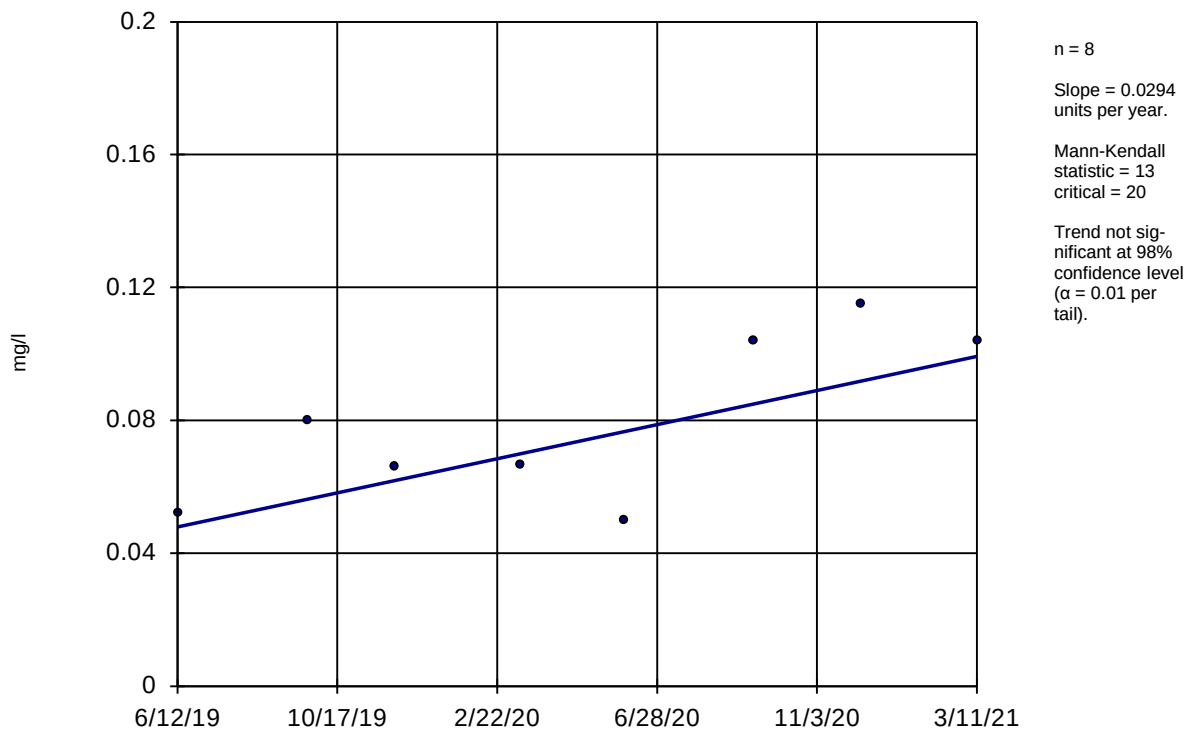


Constituent: Arsenic Analysis Run 6/6/2021 6:00 PM View: 2021-1Q AM CI

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-4R2

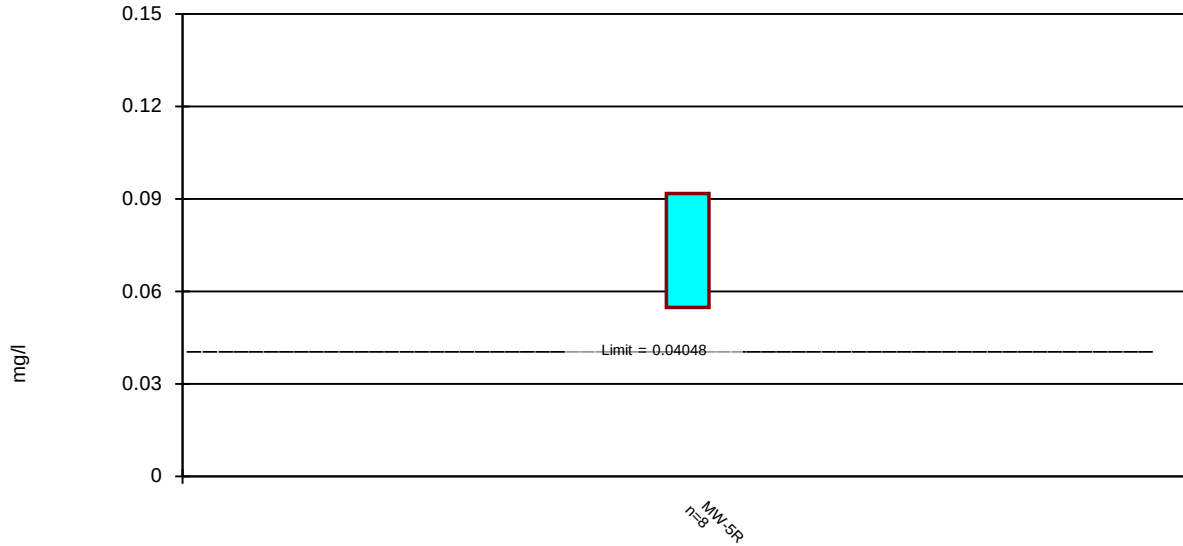


Constituent: Arsenic Analysis Run 6/6/2021 6:00 PM View: 2021-1Q AM CI

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Parametric Confidence Interval

Compliance limit is exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

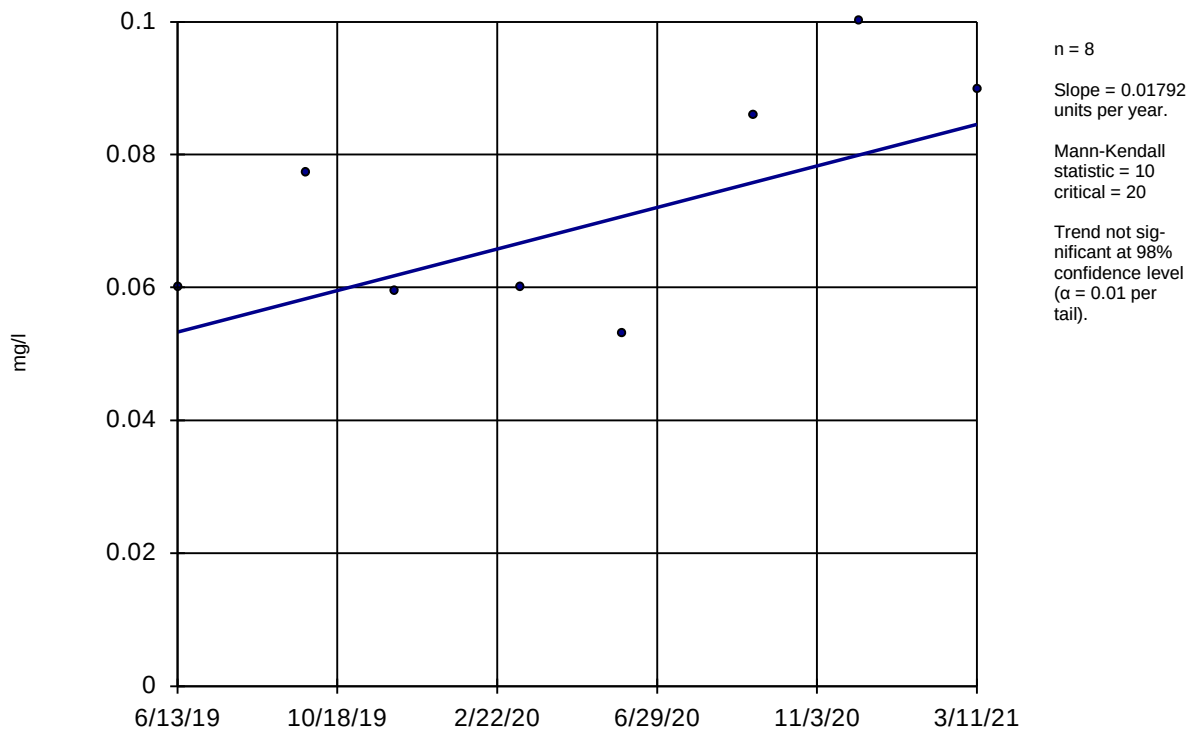


Constituent: Arsenic Analysis Run 6/6/2021 6:00 PM View: 2021-1Q AM CI

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-5R

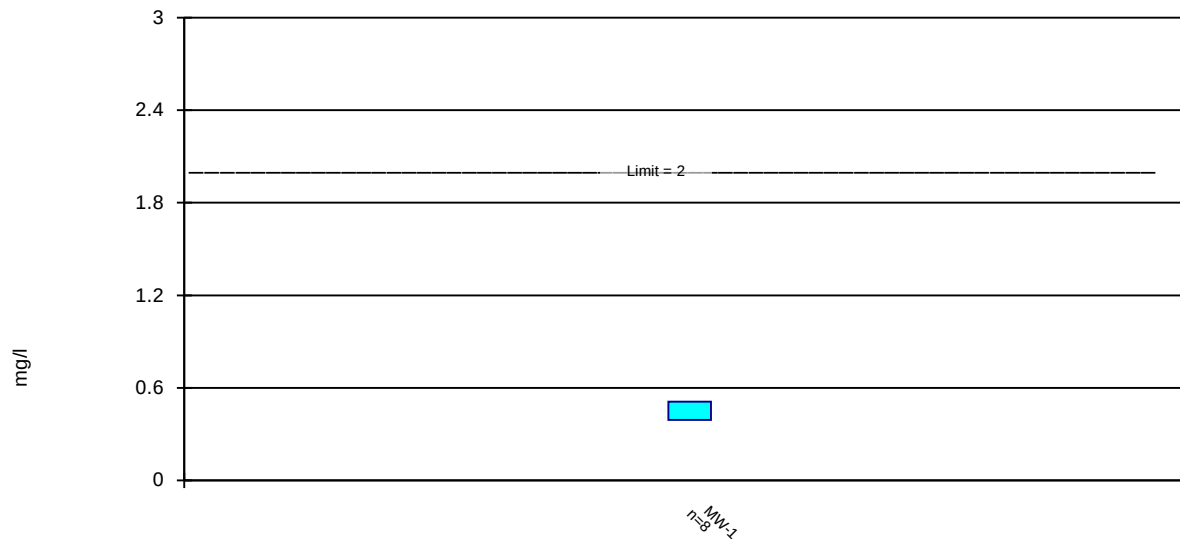


Constituent: Arsenic Analysis Run 6/6/2021 6:00 PM View: 2021-1Q AM CI

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

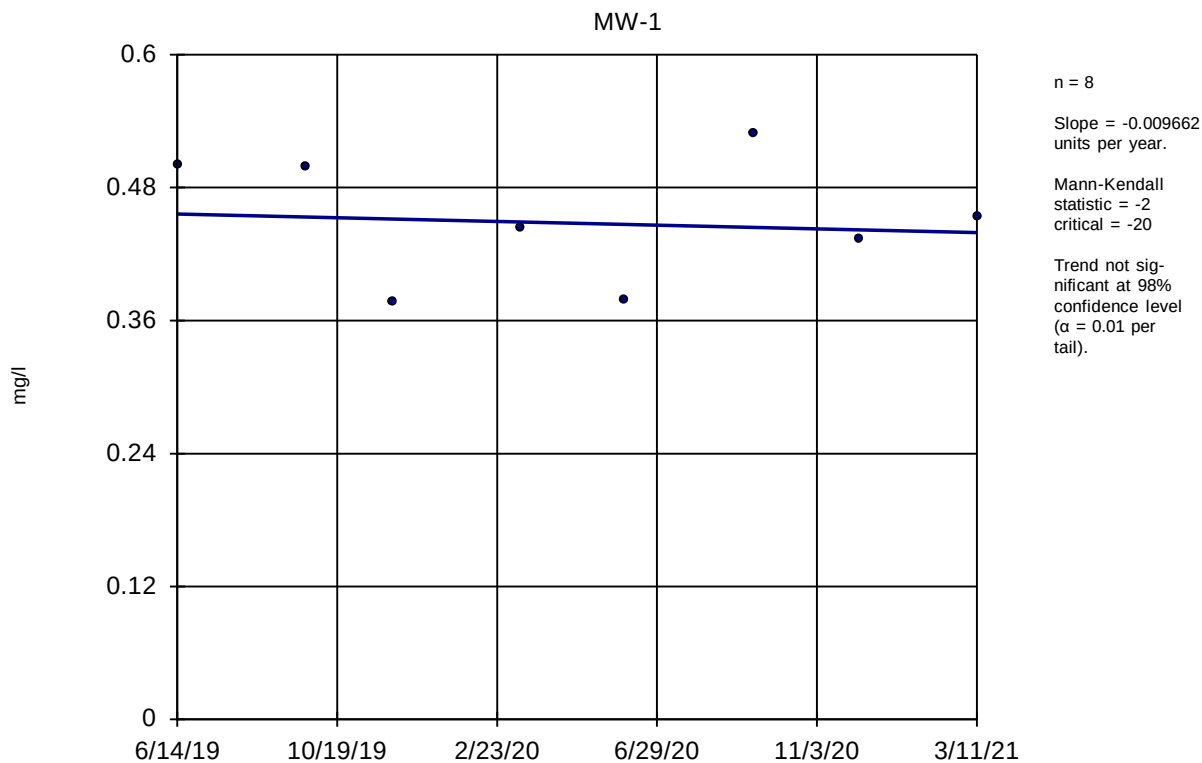
Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 3/29/2021 2:14 PM View: 2021-1Q AM Trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

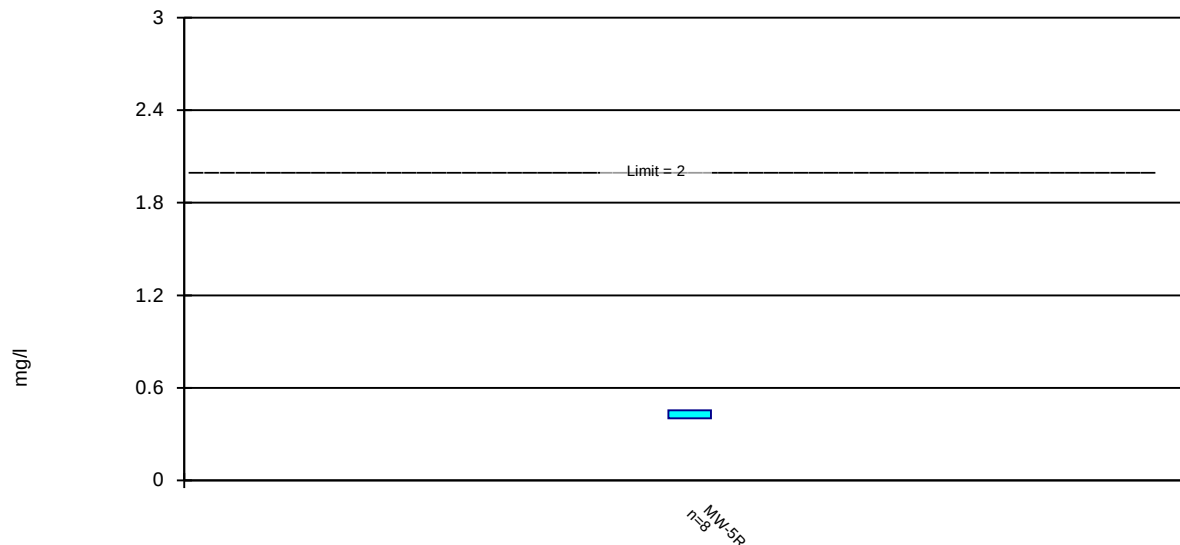
Sen's Slope Estimator



Constituent: Barium Analysis Run 3/29/2021 2:16 PM View: 2021-1Q AM Trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Parametric Confidence Interval

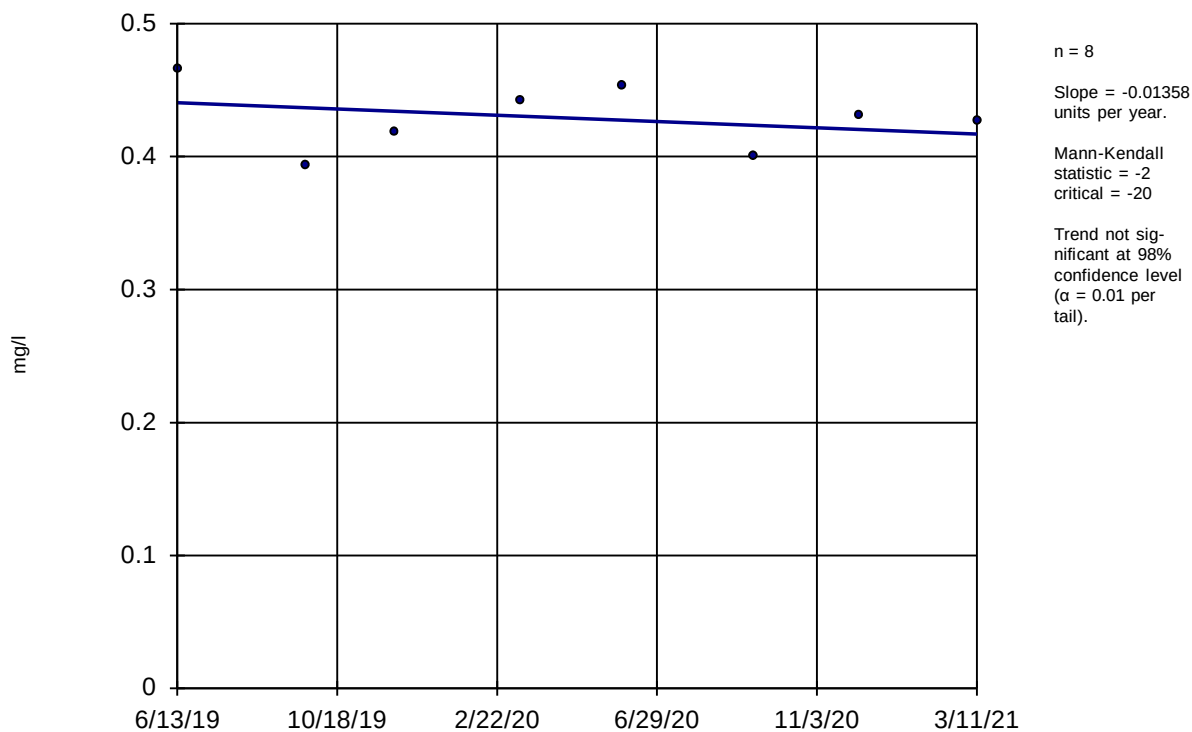
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 3/29/2021 2:14 PM View: 2021-1Q AM Trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

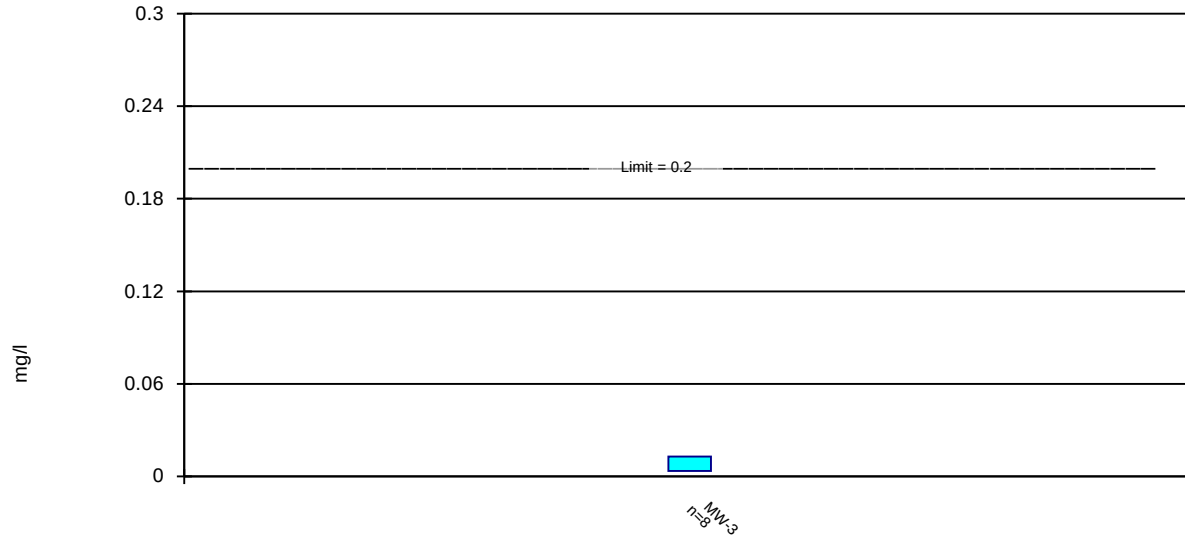
MW-5R



Constituent: Barium Analysis Run 3/29/2021 2:16 PM View: 2021-1Q AM Trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

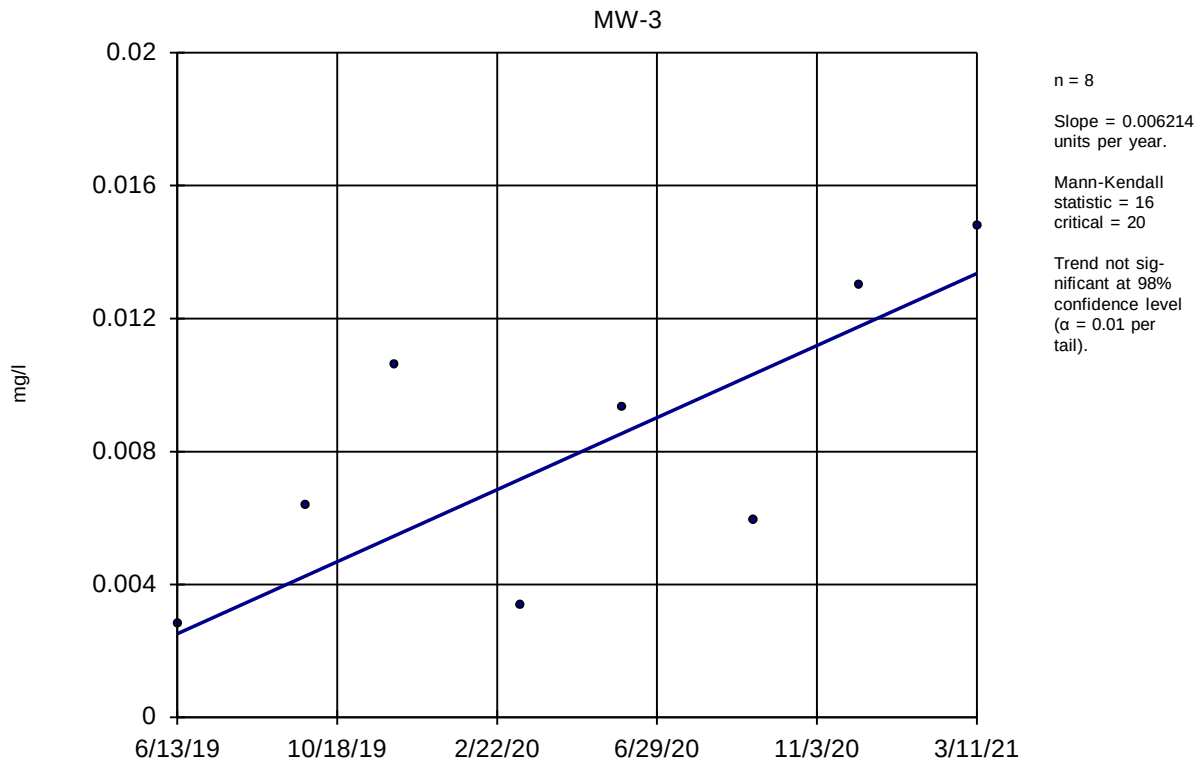
Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Nickel Analysis Run 3/29/2021 2:14 PM View: 2021-1Q AM Trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

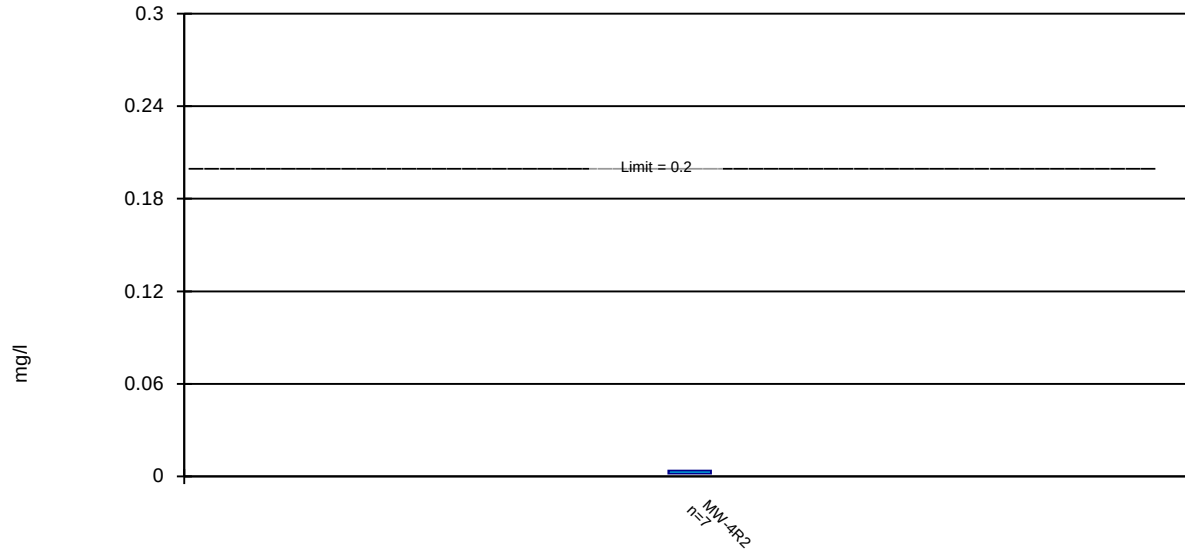
Sen's Slope Estimator



Constituent: Nickel Analysis Run 3/29/2021 2:16 PM View: 2021-1Q AM Trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

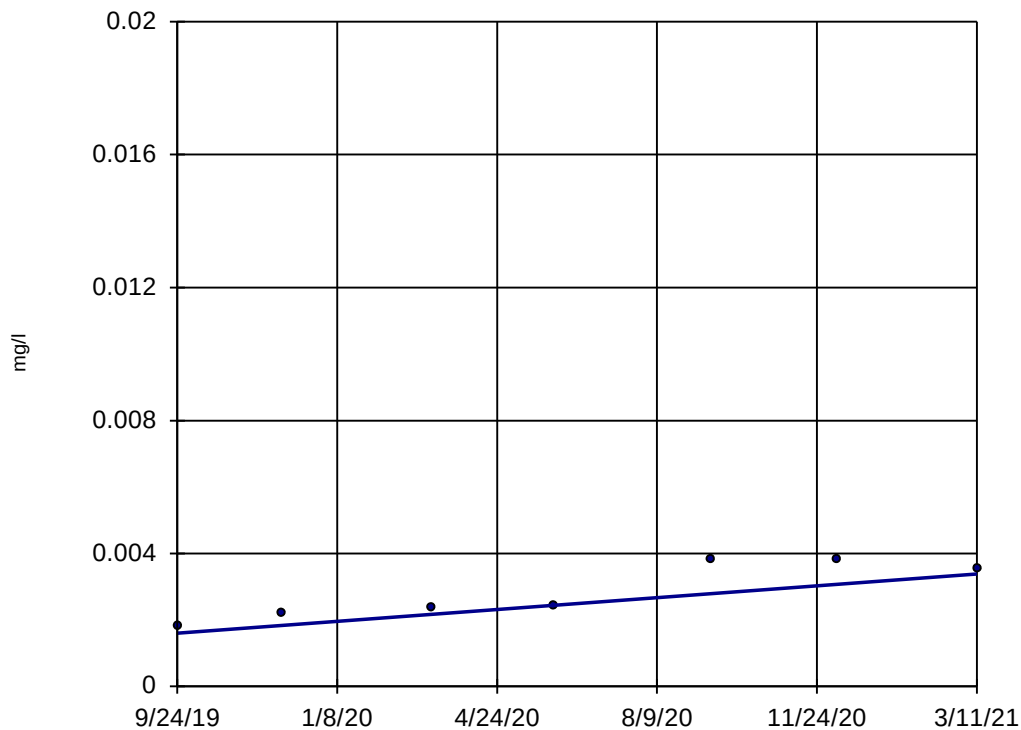


Constituent: Nickel Analysis Run 3/30/2021 4:55 PM View: 2021-1Q AM CI

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-4R2



n = 7

Slope = 0.001213
units per year.

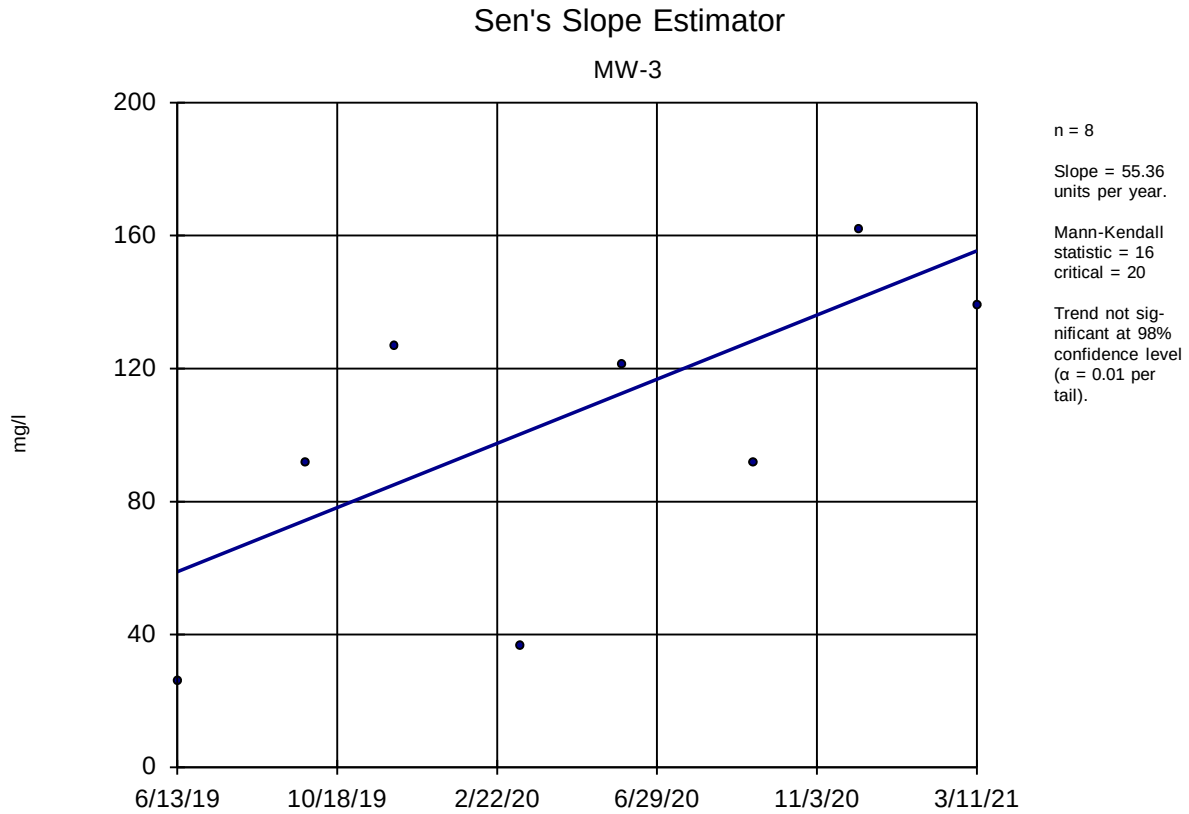
Mann-Kendall
statistic = 15
critical = 17

Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

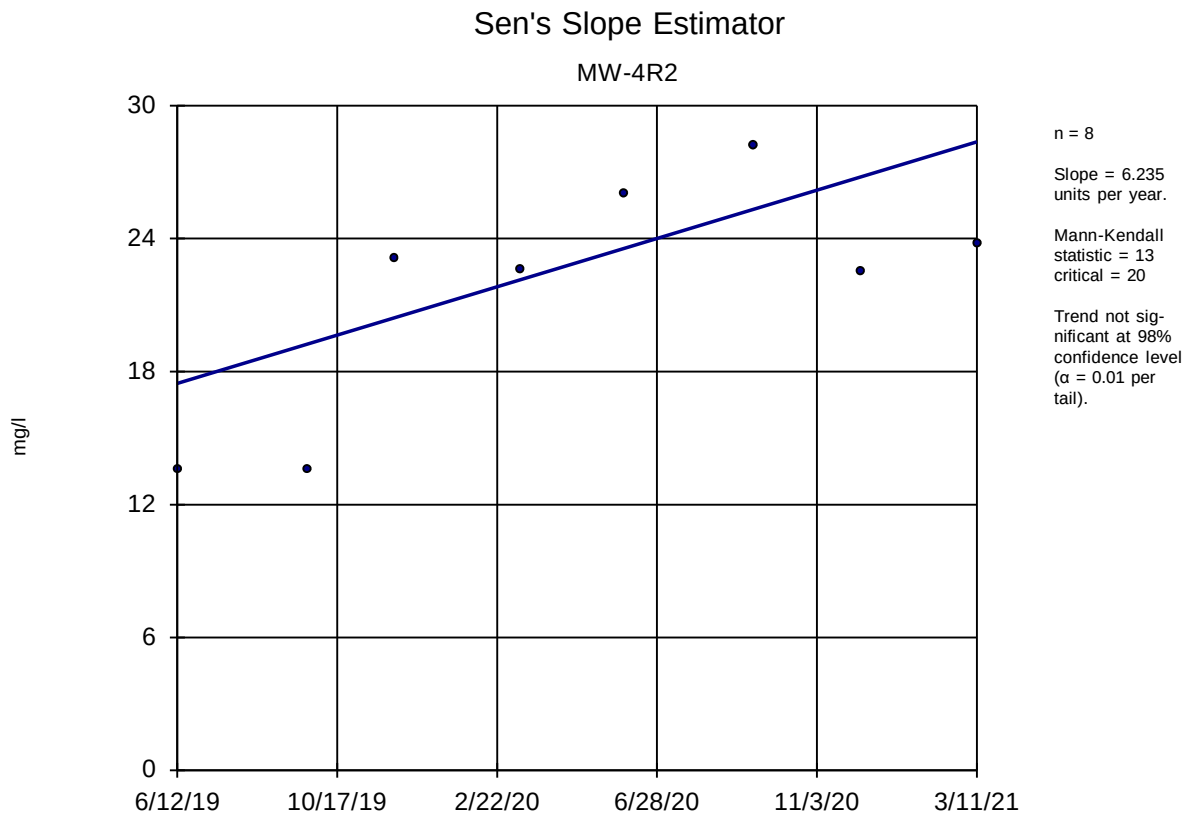
Constituent: Nickel Analysis Run 3/30/2021 4:55 PM View: 2021-1Q AM CI

Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Trend Tests, Phase 1 Quarterly Assessment Monitoring



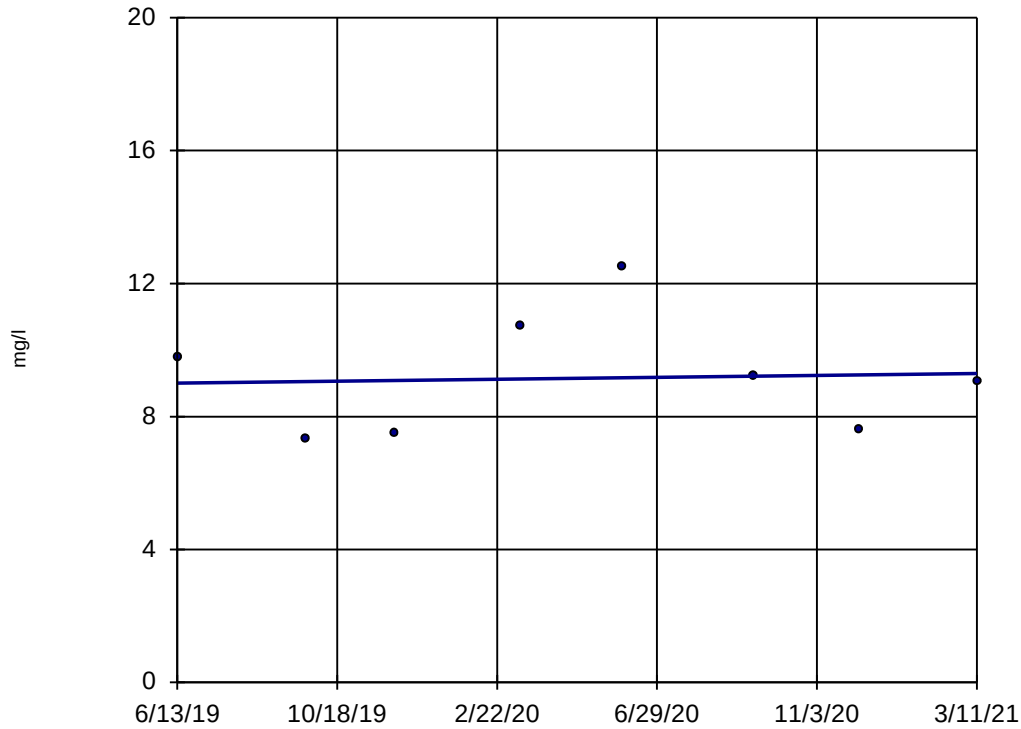
Constituent: Chloride Analysis Run 3/29/2021 2:12 PM View: 2021-1Q AM Trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database



Constituent: Chloride Analysis Run 3/29/2021 2:12 PM View: 2021-1Q AM Trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

Sen's Slope Estimator

MW-5R

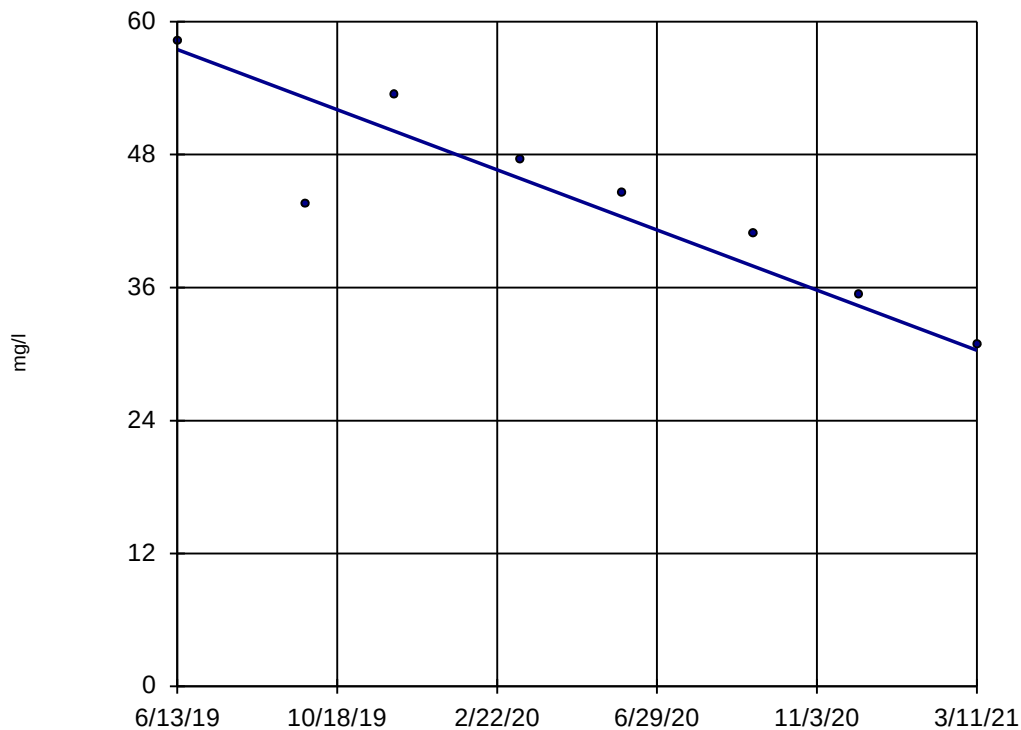


n = 8
Slope = 0.1658
units per year.
Mann-Kendall
statistic = 2
critical = 20
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Chloride Analysis Run 3/29/2021 2:12 PM View: 2021-1Q AM Trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database

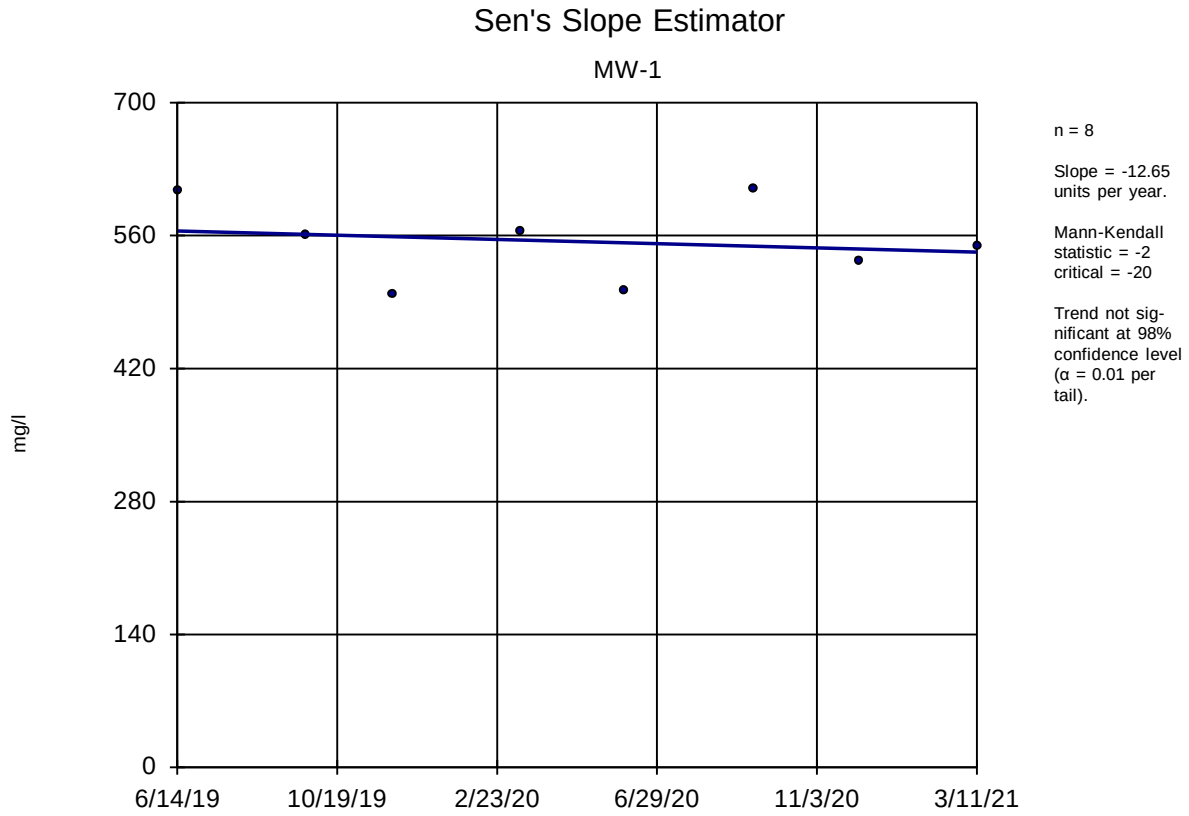
Sen's Slope Estimator

MW-6

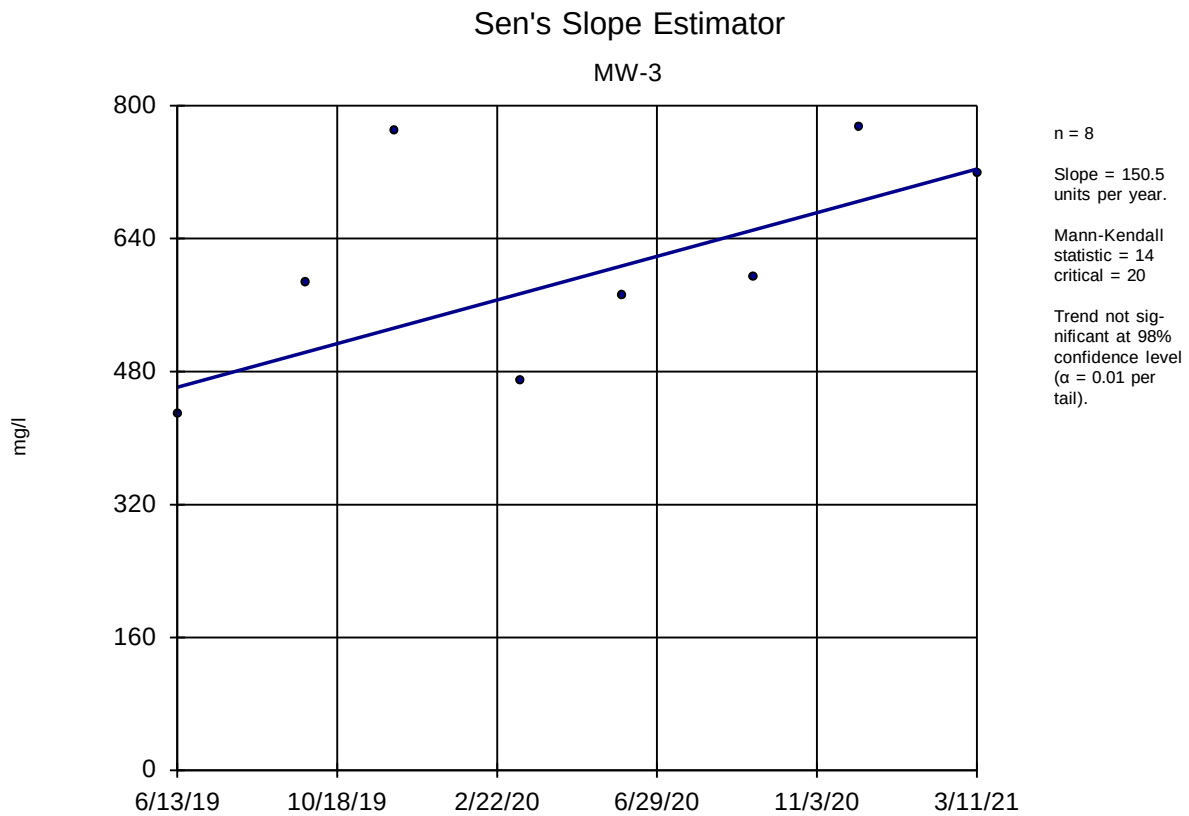


n = 8
Slope = -15.57
units per year.
Mann-Kendall
statistic = -22
critical = -20
Decreasing trend
significant at 98%
confidence level
($\alpha = 0.01$ per
tail).

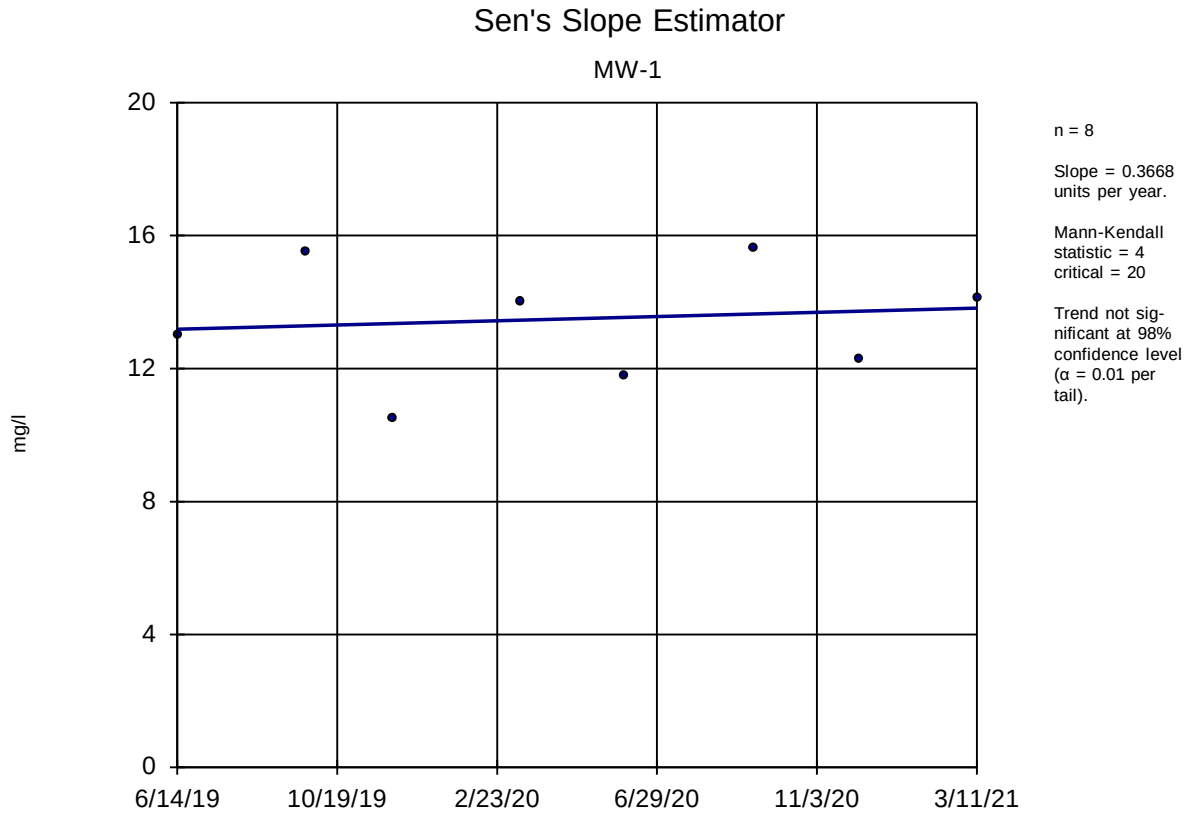
Constituent: Chloride Analysis Run 3/29/2021 2:12 PM View: 2021-1Q AM Trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database



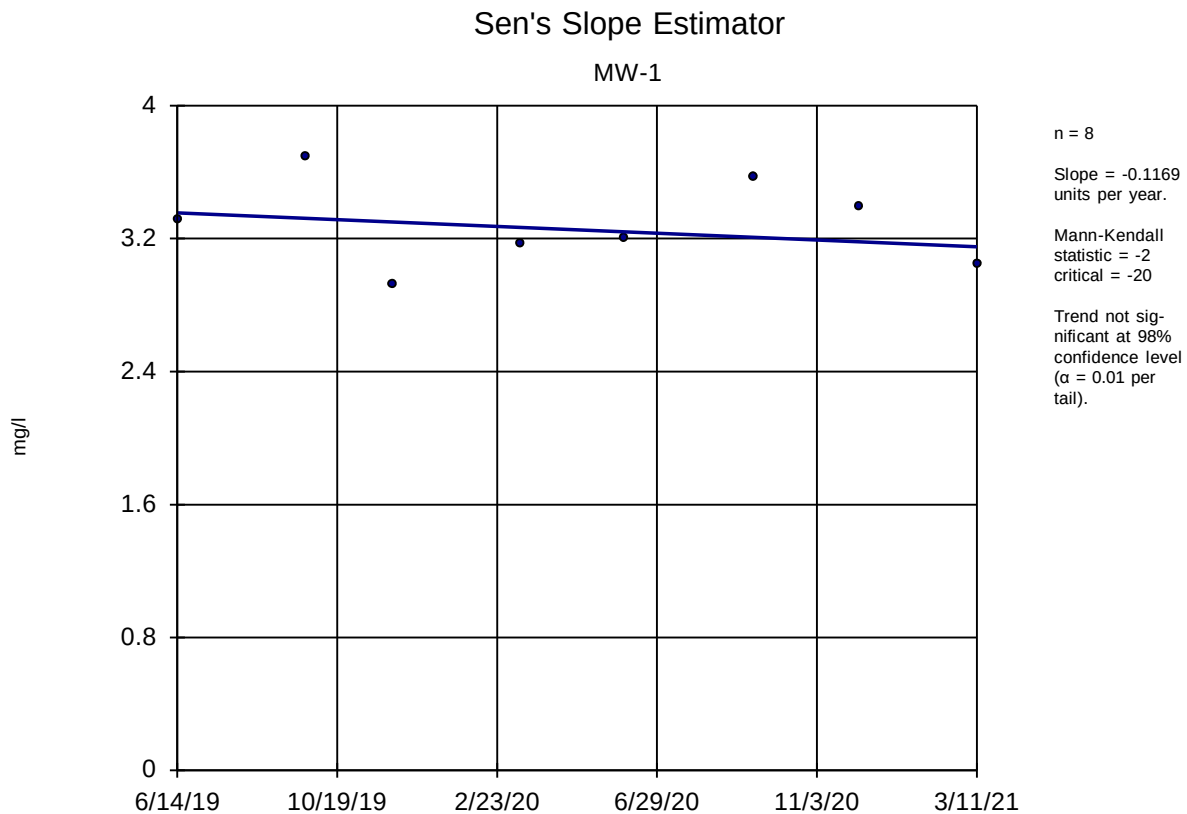
Constituent: Dissolved Solids Analysis Run 3/29/2021 2:12 PM View: 2021-1Q AM Trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database



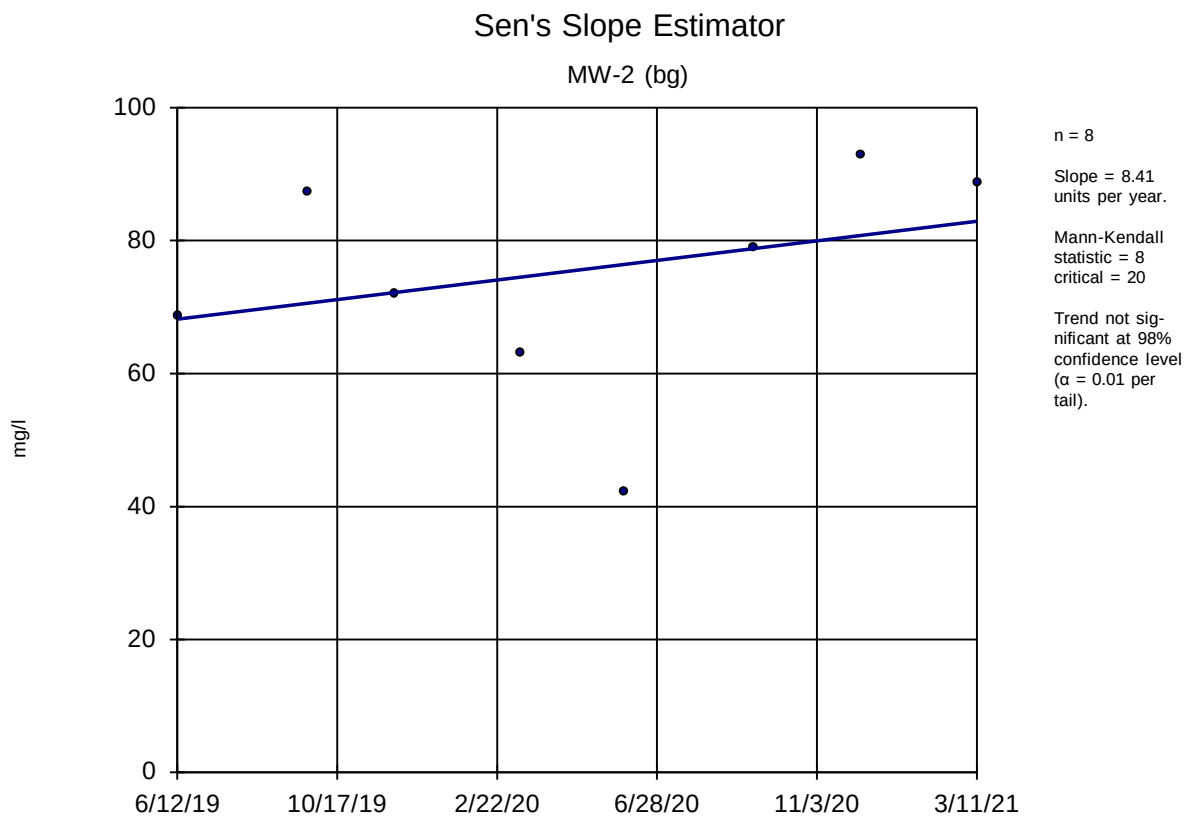
Constituent: Dissolved Solids Analysis Run 3/29/2021 2:12 PM View: 2021-1Q AM Trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database



Constituent: Iron Analysis Run 3/29/2021 2:12 PM View: 2021-1Q AM Trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database



Constituent: Manganese Analysis Run 3/29/2021 2:12 PM View: 2021-1Q AM Trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database



Constituent: Sulfate Analysis Run 3/29/2021 2:12 PM View: 2021-1Q AM Trend
Mississippi County LF Client: Mississippi County Data: Mississippi County Landfill Database